



**Intelligent
Ground
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Preliminary Risk Assessment

Brogan Solar Farm
Llanfyllin,
North Wales,
SY22 5LQ

For Fuse Renewables Ltd

10 April 2026

Report ref. 25/4853A.3

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Executive Summary

Brief	This study was undertaken to support a planning application for the proposed development of the existing greenfield site into a solar farm. This report aims to identify any potential land contamination issues and provide preliminary geotechnical advice.
Site Location	Brogan Solar Farm, Llanfyllin, North Wales, SY22 5LQ. Grid reference 317557, 318923. The site currently greenfield land currently used for agricultural.
Site History	On the earliest available mapping the site was recorded as fields, and it has remained in this use until present day. A railway branch line was located on an embankment adjacent to the southeastern boundary and crossed the southeastern part of the site, present from the mid-1940s until it was dismantled by 1974. A quarry within 1 km of the site was present since the late 1930's and was disused by 1974.
Environmental Setting	The site is considered to be of moderate environmental sensitivity, given the presence of the nearby River Cain located 140 m northwest and a SSSI site located 475 m south, the underlying Secondary A and Secondary B Aquifers on site and one potable water abstraction point within 1 km. However, the site is not within a Source Protection Zone (SPZ) and immediate surrounding area is used for agricultural purposes.
Contamination Potential Risk	This study has established that there are no identified contaminant sources on site. It is also the case that, given the proposed development, there will be no human receptors at risk of chronic adverse effects to health. With guidance provided in CIRIA's Contaminated Land Risk Assessment: a guide to good practice CIRIA C552, 2001 in the absence of any identified on-site sources, there can be no contaminant linkages and further risk assessment is not warranted.
Recommendations	No further investigation or assessment of Land Quality is warranted. A site-wide geotechnical investigation should be undertaken to establish ground and ground water conditions and ground strength with in-situ and laboratory testing to inform substructure design for the proposed development.
This table is a summary only, full details and limitations of the assessment are provided within the main body of the report.	

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1.0 Introduction

Geo² Limited was commissioned by Pegasus Group (the “Client”) on behalf of Fuse Renewables Ltd to conduct a Preliminary Risk Assessment of a site known as:

Brogan Solar Farm,
Llanfyllin,
North Wales,
SY22 5LQ

The site is approximately 12.1 hectares in area and located at grid reference 317557, 318923.

The study was undertaken to support a planning application for the proposed development of a 5MW solar farm. Existing and proposed development plans, and a site layout plan (Ref. BGS.LYT.DEV.06, dated March 2026) for the site can be referred to within Appendix A.

1.1 Scope of Works

The Preliminary Risk Assessment, consisting of desk study and site walkover, was conducted in order to assess the potential for contaminant sources to be present on site, resulting from the past use of the site and current land use.

The desk study was also undertaken to identify possible sensitive environmental receptors that may be at risk from sources, if present on site, within the locality of the site, and to inform preliminary geotechnical risks to development.

The scope of the Preliminary Risk Assessment has given consideration to guidance on Land Contamination: Risk Management pages of the GOV.UK web pages, the relevant requirements of the National Planning Policy Framework (NPPF) (as amended, 2024) (paragraphs 187 & 196-197) and the Planning Practice Guidance (Land Affected by Contamination).

2.0 Description of the Site and Surroundings

2.1 Site Description

The site is located approximately 2.5km east of the town of Llanfyllin, Wales. Figure A below and Figure 1 in Appendix A show the location of the site.

The site currently predominantly comprises agricultural greenfield, with hedgerows separating three main areas. The area shown within the red site boundary on Figure A below, encompasses all three areas and will be referred to throughout this document as 'the site'.

The site is divided into three areas. Area A is an approximately trapezoidal field bounded by an access track to a house to the north and a road to the west (B4393). Its eastern and longest side is bounded by the embankment of a former railway line, which is now used as an access track and is understood to be off site. Area B is a smaller, approximately triangular field bounded by the B4393 and the embankment on the western and southeastern sides respectively. The area is separated from the trapezoidal field by a vegetated field boundary comprising shrubs and plants. Area C is the northern two-thirds of an approximately rectangular field located southeast of the first area on the southeast side of the former railway line. It is understood that Area C, whilst lying within the redline boundary, will not contain solar panels and will be left in its current condition.

The site is located east of B4393. Areas A and B are currently accessed by gates located along the B4393. Area A also has a gate in the southern corner. Area C is accessed via the track on the former rail embankment to a gate on the eastern boundary.

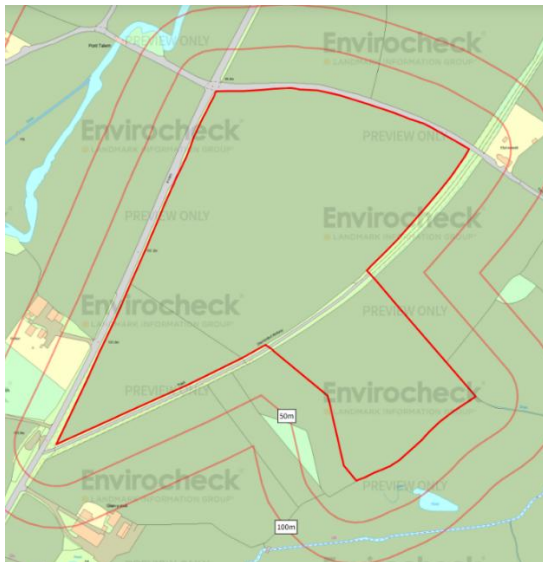


Figure A: Site Location Plan. Red is approximate site boundary and pink are 50 m and 100 m buffers.
Extract from Envirocheck report (Appendix B).



Figure B: Ariel photograph version of the site. Red is approximate site boundary.
Extract from Figure 1 (Appendix A).

2.2 Site Walkover

A site walkover was undertaken on 16th December 2025, with a photographic survey included in Appendix B. The site walkover observations are detailed below.

The site is predominantly agricultural greenfield.

Area A can be accessed from a gate east of road B4393 (Image 1). The northern part of Area A gently slopes downwards from east to west (circa 104m AOD to 103m AOD) (Images 4 and 6). The area towards the northern boundary is notably waterlogged, with two areas of standing water observed (Images 7 and 8). A slight sheen on the water was observed on a very localised patch of ground (<1m²) in the southern corner next to the gate. Given the waterlogged and organic nature of the soils in this area, it is considered reasonable to infer that the sheen is natural organic/humic acids leached from the soils (Image 12).

Area B can be accessed either from a gate adjacent to the B4393 (Image 13) or via an open access in Area A (Image 14). It has a hummocked geomorphology, sloping downwards to both the east and the west (circa 106m AOD to 105m AOD). A telegraph pole is located on the southwestern side of Area B, with overhead lines trending in a southeast-northwest direction (Images 15-17).

Area C is accessed by a gate on east side of the former railway embankment and slopes downward to the west (Images 22 and 23). A water pipe connected to a trough was noted running towards the northwest corner (Images 29-31). The field was being used for sheep grazing at the time of the visit (Images 32 and 33).

A former railway line embankment trends southwest to northeast between Areas A/B and Area C (Image 24). This now forms a muddy farm track between the three site areas. Patches of coarse gravel, were observed through some gateways, are inferred to have been placed to improve the access through the gates.

No evidence of bulk fuel, oil or chemical storage or obvious contamination was observed on site during the visit.

2.3 Site Infrastructure

2.3.1 Surfacing, Drainage and Utilities

Based on the site walkover, the ground is exclusively covered by vegetation. A water pipe connecting to a trough was found running from the southeastern corner towards the northwestern corner of Area C east of the railway branch.

A Linesearch report was obtained for the site, detailing assets owned by SP Energy Networks. No underground cables were identified crossing the site. However, an overhead line was observed crossing the southwestern end of Area B, which was also confirmed during the walkover. A copy of the Linesearch report is provided in Appendix C.

2.4 Site Surroundings

The site is located east of the town of Llanfyllin in North Wales. The nearest residential properties are situated from 135 m southwest. The surrounding land uses of the site are summarised in Table 1 on the following page.

Direction	Land Use
North	A road access to a house and agricultural land.
East	A dismantled railway line, further agricultural land and the Brogan River beyond.
South	A warehouse and open storage, further agricultural land, dismantled railway line and the Brogan River beyond.
West	A road (the B4393), a warehouse and open storage, the River Cain and agricultural land beyond.

Table 1. Land Uses in the Surrounding Area

3.0 Desk Study

3.1 Desk Study Data

Information regarding the environmental setting of the site was obtained from the Envirocheck report, which collated information from a variety of sources. A copy of the Envirocheck report is presented in Appendix C.

Where indicated in Table 2 below, the data from the Envirocheck report has been supplemented with additional information obtained from freely available online data.

Site Geology	<p>British Geological Survey (BGS) data indicates bedrock consists of Allt-tair-ffynnon Formation – Interbedded siltstone and mudstone.</p> <p>Superficial deposits are indicated to comprise: Alluvium, and Glaciofluvial Deposits (Devensian) and Devensian Till. The Glaciofluvial Deposits are encroached on by the Alluvium on the northwestern area of the site.</p> <p>There are no BGS borehole logs within 500 m of the site. The nearest BGS borehole (ref. SJ11NE10) located approximately 810 m northwest recorded fractured mudstone to 1 m bgl and dark grey mudstone to 70 m bgl.</p> <p>The Envirocheck report shows the site has the following risk ratings associated with these ground stability hazards:</p> <ul style="list-style-type: none"> • Collapsible ground stability – no hazard to very low risk. • Compressible ground stability – no hazard to moderate risk. • Ground dissolution – no hazard. • Landslide ground stability hazard – very low to low risk. • Running sands stability hazard – very low to low risk. • Shrinking or swelling clay stability hazard – very low risk. <p>It should be noted the poorly sorted Devensian Till deposits may contain boulders or cobbles which may inhibit the placement/excavations of footings and piles. If encountered, further ground investigation or re-engineering measures may be required.</p>
Mining	<p>Three BGS Recorded Mineral Sites are located within 1 km of the site, all relating to opencast mining of common clay and shale with a ceased status. The nearest one is situated approximately 765 m to the southwest, the remaining two are located approximately 935 m north and 965 m south of the site.</p> <p>The site is not within an area which may be affected by coal mining activity, therefore the risk to the proposed development from shallow coal mining is considered to be Low. No other forms of mining are thought to affect the development site.</p>
Radon	<p>The site is in a low probability radon area (less than 1% of homes are estimated to be at or above the Action Level). As such, no radon protective measures are necessary in the construction of new dwellings or extensions.</p>
Site Hydrogeology	<p>The superficial deposits are a Secondary A Aquifer – permeable layers that can support local water supplies and may form an important source of base flow to rivers.</p>

	<p>The bedrock is classified as a Secondary B Aquifer – lower permeability layers that may store and yield limited amounts of groundwater through characteristics like thin cracks (called fissures) and openings or eroded layers.</p> <p>The site is not located within a Source Protection Zone (SPZ).</p> <p>Twelve potable groundwater abstraction points are located within 1.0 km of the site. The nearest one is located approximately 410 m south, operated by local residents.</p> <p>The groundwater beneath the site in the combined productive bedrock and productive superficial aquifers has been classed as high vulnerability in the northernmost part and low vulnerability across the remainder of the site.</p>
<p>Site Hydrology</p>	<p>The nearest surface water feature is the River Cain located approximately 140 m northwest, flowing northeast. The River Brogan is located approximately 900 m south, flowing east. Data Map Wales¹ shows the River Cain as having Good to High water quality and ecological parameter status.</p> <p>There are two pollution incidents to water recorded within 1 km of the site. The nearest one was located approximately 735 m east, classified as a minor event associated with organic waste contamination. The one located 820 m east also classified as minor event associated with sewage contamination.</p> <p>The nearest discharge consent is located approximately 645 m northwest, effective from March 1980 and relates to sewerage discharges.</p> <p>There are six discharge consents within 1 km of the site operated by domestic properties or restaurants, the closest being 645 m northwest of the site, relating to Sewage Discharges (Final/Treated Effluent) to land/soakaway.</p>
<p>Waste and Infilled Land</p>	<p>There are no licensed waste management facilities, historical landfills or operational landfills or waste management sites within 1 km of the site.</p> <p>Four areas of potentially infilled land (water) are located within 1 km of the site, the nearest one is located approximately 235 m north of the site.</p>
<p>Local Industrial Land Use</p>	<p>The Envirocheck report records the following pertinent entries within 1 km of site:</p> <ul style="list-style-type: none"> • Nine entries for Points of Interest (Manufacturing and Production) locating c.700 m and beyond relating to farming, unspecified quarrying or mining, and generic tank storage. • Two entries of Points of Interest (Public Infrastructure) relating to a Waste Storage, Processing and Disposal, located approximately 420 m west of the site. • An active Petrol Filling Station operated by Sainsburys is present approximately 830 m east of the site.
<p>Sensitive Environmental Receptors</p>	<p>It is understood from information provided within the Envirocheck report, the following are statutory ecological receptors located within 500 m of the site:</p> <ul style="list-style-type: none"> • Talwrn Bach - Grade II Listed building, located 150 m west. • Ty-Coch Talwrn - Grade II Listed building, located 210 m north. • Bryngwyn Hall Stables and Coach House – Sites of Special Scientific Interest, located approximately 475 m south. • Tanat And Vyrnwy Bat Sites – Special Area of Conservation, located approximately 475 m south.

¹ https://datamap.gov.wales/maps/new?layer=geonode:nrw_wfd_river_waterbody_catchments_c3_baseline_classification#/

	Historic England Records (historicengland.org.uk) indicate that no areas of designated heritage interest are located on or adjacent to the site.
Unexploded Ordnance (UXO)	A review of Zetica online risk mapping for the area indicates the site is located in a Low-risk area with respect to UXO.

Table 2. Environmental Assessment of the Site.

3.2 Environmental Sensitivity

The site is considered to be of moderate environmental sensitivity for the following reasons: the presence of the Riven Cain (140 m northwest), the presence of an SSSI (475 m south), the underlying Secondary A and Secondary B Aquifers at the site, potable water abstraction points within 1 km of the site and the agricultural use of the surrounding area.

3.3 Historic Planning Applications

No historic planning applications on site were available following a review of the Powys County Council planning portal.

3.3.1 Off-Site Planning Applications

A brief review of planning applications has been made for sites within 100 m of the site. No pertinent information relating to contaminated land was available to review online.

3.4 Regulatory Enquiries

The Contaminated Land Officer (CLO) was not contacted as the end use is for a solar farm and the site is currently undeveloped greenfield land.

4.0 Site History

Details regarding the development of the site, its immediate surroundings and potentially contaminative land uses were obtained from a review of historical maps.

Copies of the maps are provided in Appendix C and a detailed summary provided in Table 3 below and on the following page. All distances given are approximate and are relative to the site, unless otherwise stated.

Date	On Site	Off Site	Potential Contamination
1884 – 1964	<p>The site is an undeveloped field with hedgerows along the southern, western, northern and most eastern boundaries.</p> <p>A minor track is shown trending northeast-southwest in Area C.</p>	<p>The Cambrian Railway, Llanfyllin branch line alignment is mapped between the site areas trending northeast to southwest.</p> <p>The surrounding land use comprises undeveloped agricultural land, woodlands and buildings.</p> <p>The Bryngwyn Flag Station and a signal post is shown immediately south of the site.</p> <p>A variety of minor (presumably agricultural) buildings are shown in the area around the site.</p> <p>An extraction pump next to the Talwyn building is shown on maps after 1901.</p> <p>Disused quarries and a quarry village are mapped 895m northwest.</p> <p>A quarry is mapped 990 m south after 1938 and is shown as disused after 1974.</p>	<p>Potential for ground gases arising from Made Ground, heavy metals, TPHs and PAHs from railway sidings and coal/ash residues.</p>
1974 – 2006	<p>The minor track shown trending northwest-southeast in Area C is no longer shown on the map.</p>	<p>The railway line is shown as disused and dismantled.</p> <p>Minor buildings are still shown in the area around the site. A covered reservoir is mapped 895 m southwest.</p> <p>A pond is mapped in 840 m south.</p>	<p>Potential for ground gases arising from Made Ground, heavy metals, TPHs and PAHs from dismantling of railway sidings.</p> <p>Potential for Made Ground arising from construction of Talwrr Mill.</p>
2009-2025	<p>The site remains unchanged.</p>	<p>The Talwrn building 440 m west of site is extended in 2013.</p> <p>A pond / water feature 155 m south of site is mapped in 2013.</p> <p>An unnamed building is shown 550 m south of site, just beyond the</p>	

Date	On Site	Off Site	Potential Contamination
		Stonehouse on 2016 mapping and is shown as demolished by 2025. The former railway branch line is shown as an access track.	

Table 3. Detailed Summary Review of Historical Mapping.

Table 4 below provides a brief summary of the historical land use on site and local to the site.

Key Historical Activities	
On-Site	Undeveloped / agricultural land from the earliest dated map to present.
Off-Site	A railway branch line was present between the mid-1940s and 1974 before being dismantled and later used as an access track. Local land use remains principally agricultural or undeveloped, with sparse buildings located 100 m beyond the site boundaries from the earliest dated map. Disused quarries and quarry cottages are mapped approximately 900 m northwest, and a quarry located 990 m south is presented since 1938 and has been disused since 1974.

Table 4. Brief Summary of Historical Land Use On-Site and Off-Site.

5.0 Preliminary Risk Assessment

5.1 Source – Pathway – Receptor

UK legislation and guidance on assessing potentially contaminated land recommends the use of a risk assessment process based on a review of source/pathway/receptor relationships for various environmental media. The first stage of any risk assessment is to identify, using the desk study data and site information, the presence and extent of any hazard at the site, theoretical or demonstrable.

A key component of the overall risk assessment process is identification of “significant contaminant linkages” between contaminants and receptors. This can be accomplished through development of a site-specific conceptual model in which the potential contaminants, pathways and receptors identified on-site are described.

Each element can be defined as follows:

- **Contaminant source:** A substance either on or under the land and which has the potential to cause harm or pollution to human or environmental receptors.
- **Pathway:** A route or means by which a receptor can be exposed to or affected by a source.
- **Receptor:** A living organism or an ecological system, or controlled water, or property including buildings, crops and livestock.

The presence of all three of the above elements identifies a contamination linkage and a potentially unacceptable risk. To ensure that any risk present to, or, from the site can be appropriately managed each of these contamination linkages will be targeted by the investigation.

5.2 Hazard Identification

5.2.1 Potential On-Site Sources

No on-site sources of contamination were observed during the site visit.

5.2.2 Potential Off-Site Sources

Made Ground soils or coal/ash residues along the former railway branch line could be an off-site source of heavy metals, Total Petroleum Hydrocarbon (TPH), or Polynuclear Aromatic Hydrocarbons (PAH). However, given the localised extent and likely limited mobility of such contaminants from such an old and dispersed source, it is not considered significant to the proposed development.

5.3 Receptors

Given the proposed use of the site as a solar farm, human health receptors will be limited to short term attendance by construction workers and occasional visits by peripatetic workers, as such the potential for chronic adverse effects on human health are negligible and can be discounted.

The superficial deposits noted to be a Secondary A Aquifer and the River Cain 140m northwest are considered to be a sensitive receptor shown as being of good to high water quality.

5.4 Initial Conceptual Site Model

Contamination linkages arise as a result of the interconnection of the contaminant source, contamination pathways and potential receptors. These contamination linkages are used to design the site investigation (if required), guiding the type of investigation, location of exploratory boreholes and the required sample analysis.

5.5 Risk Estimation and Assessment

The objective of the qualitative risk assessment is to determine the significance of the risk, if any, which may occur as a result of the creation of pollutant linkages, which connect a potential receptor to an identified potential contaminant source at the site.

This study has established that there are no identified contaminant sources on site. It is also the case that, given the proposed development, there will be no human receptors at risk of chronic adverse effects to health. With reference to guidance provided in CIRIA's Contaminated Land Risk Assessment: a guide to good practice CIRIA C552, 2001 in the absence of any identified on-site sources, there can be no contaminant linkages and further risk assessment is not warranted.

6.0 Geotechnical Constraints

6.1 Preliminary Ground Model

Based on the available information, it is anticipated that the ground conditions at the site will comprise predominantly topsoil overlying superficial deposits. Based on the published geology, the western area of the site comprises Alluvium (clay, silt and gravel) above Glaciofluvial Deposits; the southeastern area of the site comprises Devensian Till.

The bedrock is indicated to comprise Allt-tair-ffynnon Formation of interbedded siltstone and mudstone which was anticipated to persist to over 70 m bgl. No borehole records or groundwater strikes are recorded on site.

6.2 Geotechnical Considerations

Existing geotechnical information is scant but the geotechnical constraints that are considered to potentially be a risk during redevelopment are detailed below:

- Groundwater – The groundwater regime remains unknown due to lack of borehole records. However, due to the spatial variability of the Glacial Till present, the depth to groundwater may be variable across the site and is anticipated to be predominantly confined to the underlying granular superficial deposits. Localised discontinuous perched groundwater may be present within confined granular layers throughout the superficial deposits. As a result, perched or groundwater inflows, where encountered in shallow excavations on site, are likely to be adequately controlled by traditional pumping from sumps.
- Made Ground – No Made Ground was observed on site, however given the proximity to the offsite embankment of the former railway branch line, Made Ground may be encountered during excavation. Made Ground is typically variable in nature and strength with a potentially low bearing capacity and unacceptable levels of total/differential settlement may occur.
- Trees and vegetation – Given the heavily vegetated condition on site, particularly around site boundaries, there is a potential risk of volume change due to near surface cohesive soils. A sitewide geotechnical investigation should be carried out to establish ground conditions and strength, with in-situ and laboratory testing to inform substructure design for the proposed development.
- Superficial deposits – The thickness of the superficial deposits is unknown. The Alluvium on the northwestern area of the site is anticipated to have low strength and comprise of high compressibility clay and silts and may contain organic material. The Glaciofluvial Deposits and Devensian Till are thought to comprise medium dense sand and firm clay strata and are likely to be suitable as founding stratum, however investigation will be required to confirm their presence as loose sand and soft clay strata could be present and

would not be considered suitable without further assessment or re-engineering. Till deposits may contain boulders or cobbles which may inhibit the placement/excavations of footings and piles.

- Compressible ground – According to the Envirocheck report, the Compressible Ground Stability Risk is stated as moderate in the southeastern part of the site, along with the unknown depth of the superficial deposits. There is a potential for ground on site to be of low strength and have a high compressibility. This highlights the need for site investigation to confirm the distribution of the Alluvium and to investigate ground conditions to inform foundation design.
- Buried structures – The only known development was the historical railway branch line adjacent to the southeastern boundary that has now been removed. However, relic structures could be encountered in this area of the site, which may require removal to enable the construction of the proposed development.

7.0 Conclusions and Recommendations

7.1 Conclusions

A Preliminary Risk Assessment of the site known as Brogan Solar Farm, located at Llanfyllin, North Wales, SY22 5LQ was undertaken, prior to proposed redevelopment of the site for solar farm.

7.1.1 Contaminated Land Considerations

The purpose of the assessment was to evaluate the potential for risk to be posed to human health and controlled waters from historical and current use of the site.

This study has established that there are no identified contaminant sources on site. It is also the case that, given the proposed development, there will be no human receptors at risk of chronic adverse effects to health. With reference to guidance provided in CIRIA's Contaminated Land Risk Assessment: a guide to good practice CIRIA C552, 2001, in the absence of any identified on-site sources, there can be no contaminant linkages and further risk assessment is not warranted. Given the above, based on the site walkover and identified data, the site in its current form presents a **Low** risk to the environment.

No further investigation or assessment of Land Quality is Warranted.

7.1.2 Geotechnical Considerations

A site-wide geotechnical investigation should be undertaken to establish ground and ground water conditions and ground strength with in-situ and laboratory testing to inform substructure design for the proposed development.

8.0 Report Limitations

This Report was prepared by Geo² for the sole and exclusive use of the Client and for the specific purpose for which Geo² was instructed. Unless explicitly agreed otherwise, in writing, this Report has been prepared under Geo²'s Standard Terms and Conditions.

Geo² does not intend, without its written consent through a formal letter of reliance or warranty, for this Report to be disseminated to any party other than the named Client or to be used or relied upon by any party other than the named Client. Use of the Report by any other party is unauthorised and such use is at the sole risk of the user. Any party using or relying upon this Report, other than the Client, agrees by virtue of its use to indemnify and hold harmless Geo² from and against all claims, losses and damages (of whatsoever nature and howsoever or whensoever arising), arising out of or resulting from the performance of the work by Geo².

The recommendations contained within this Report represent Geo²'s professional opinions, based upon the information detailed within the Report, exercising the reasonable skill and care to be expected of a professional consultant holding itself out as having the competence, experience, and resources necessary for the purpose of carrying out similar work in scope and character to the services performed. The Report needs to be considered in the light of the proposal and associated limitations of scope. The Report needs to be read and considered in full and isolated sections cannot be used without full reference to other elements of the Report and any previous works referenced within the Report.

9.0 References

British Standards Institute

BS10175:2011 “Investigation of potentially contaminated land sites – code of practice”

British Geological Society

Geology of Britain Viewer

CIRIA

C552 Contaminated Land Risk Assessment, a guide to good practise, 2001.

C665, Assessing risks posed by hazardous ground gases to buildings, 2007.

CL:AIRE

Good Practice For Risk Assessment For Coal Mine Gas Emissions, October 2021.

Environmental Agency

Land Contamination Risk Management (LCRM) Guidance, 2020

Landmark

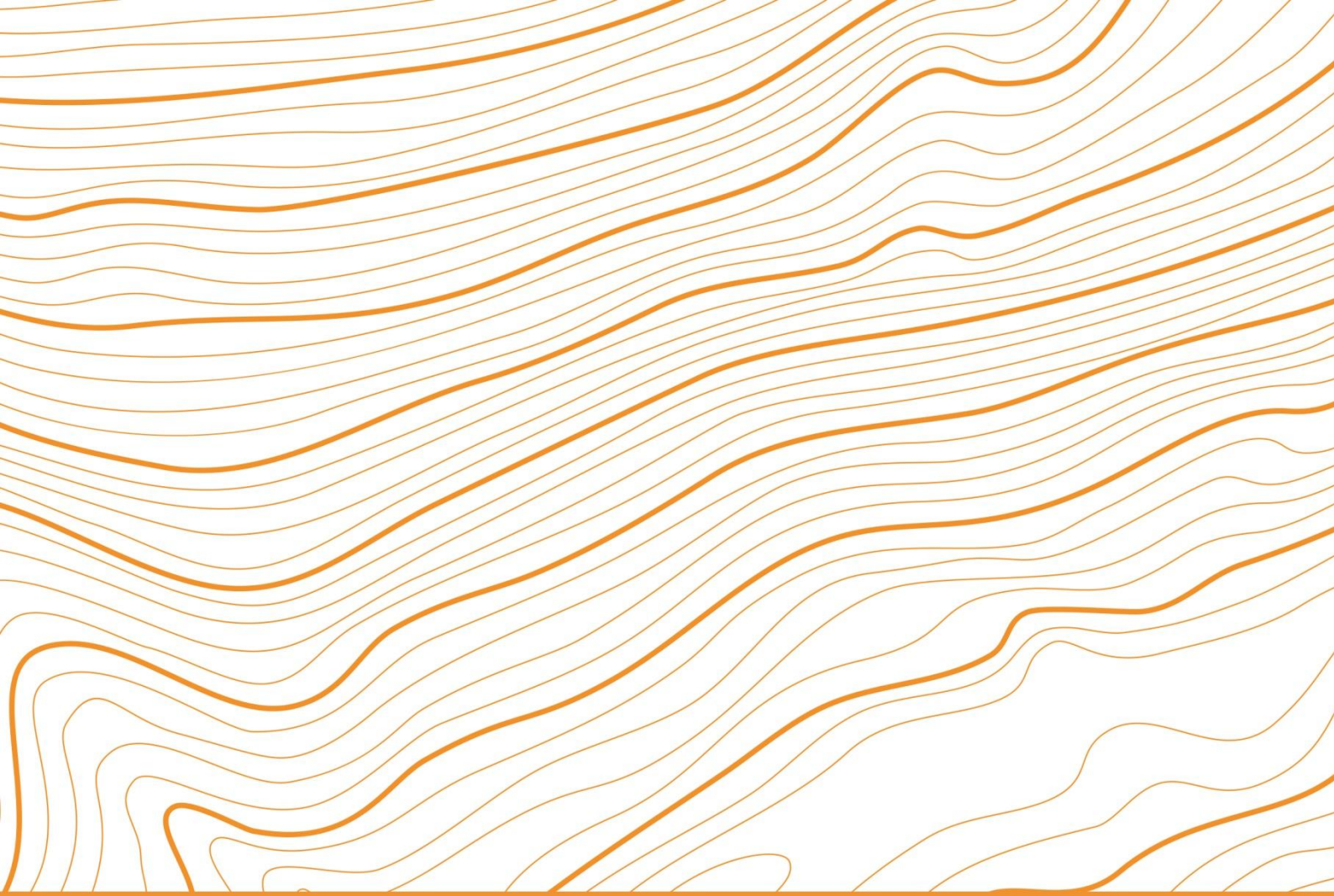
Envirocheck Report, ref. 388404915_1_1

Mining Remediation Authority

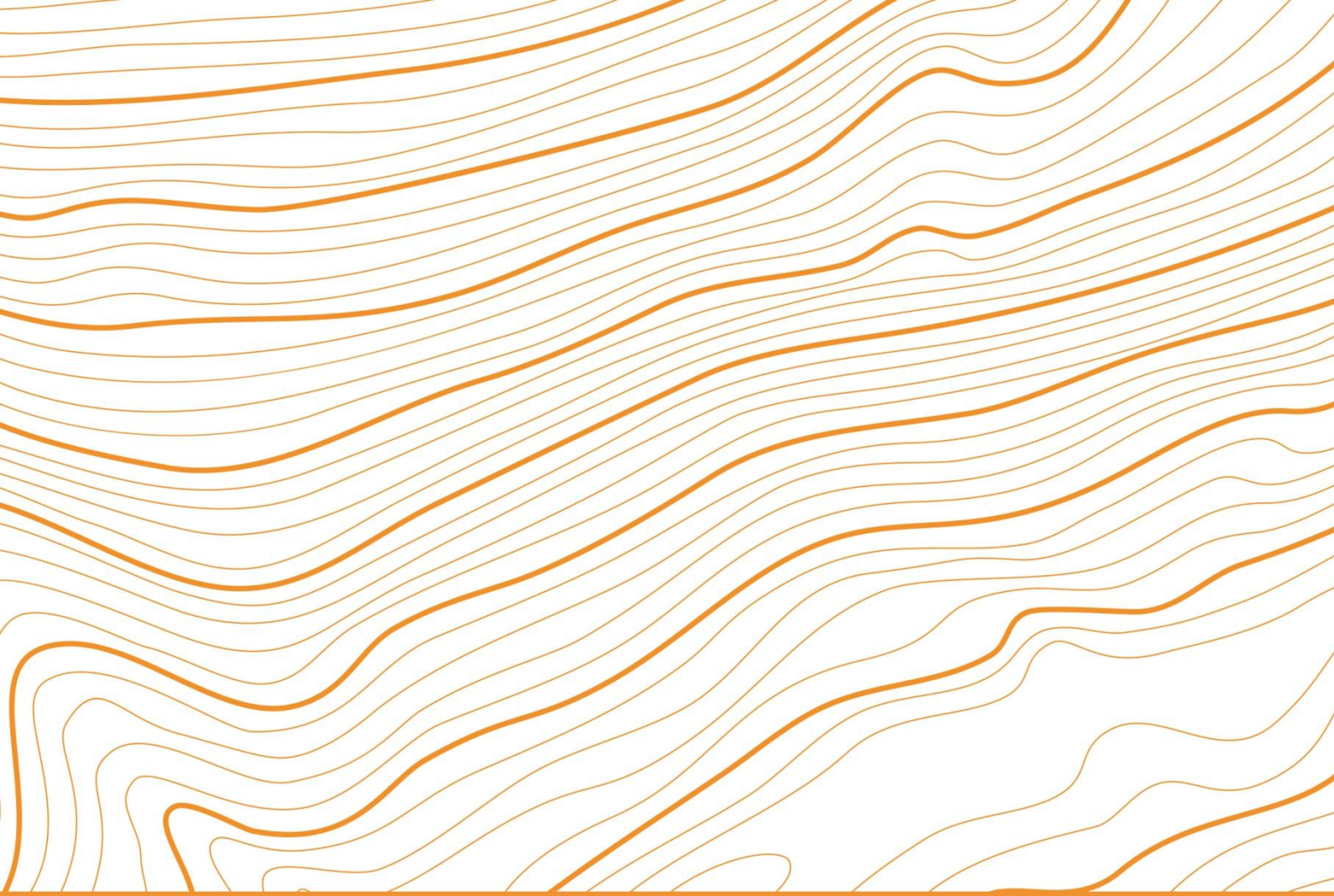
Mining Remediation Authority Interactive Viewer

Zetica UXO

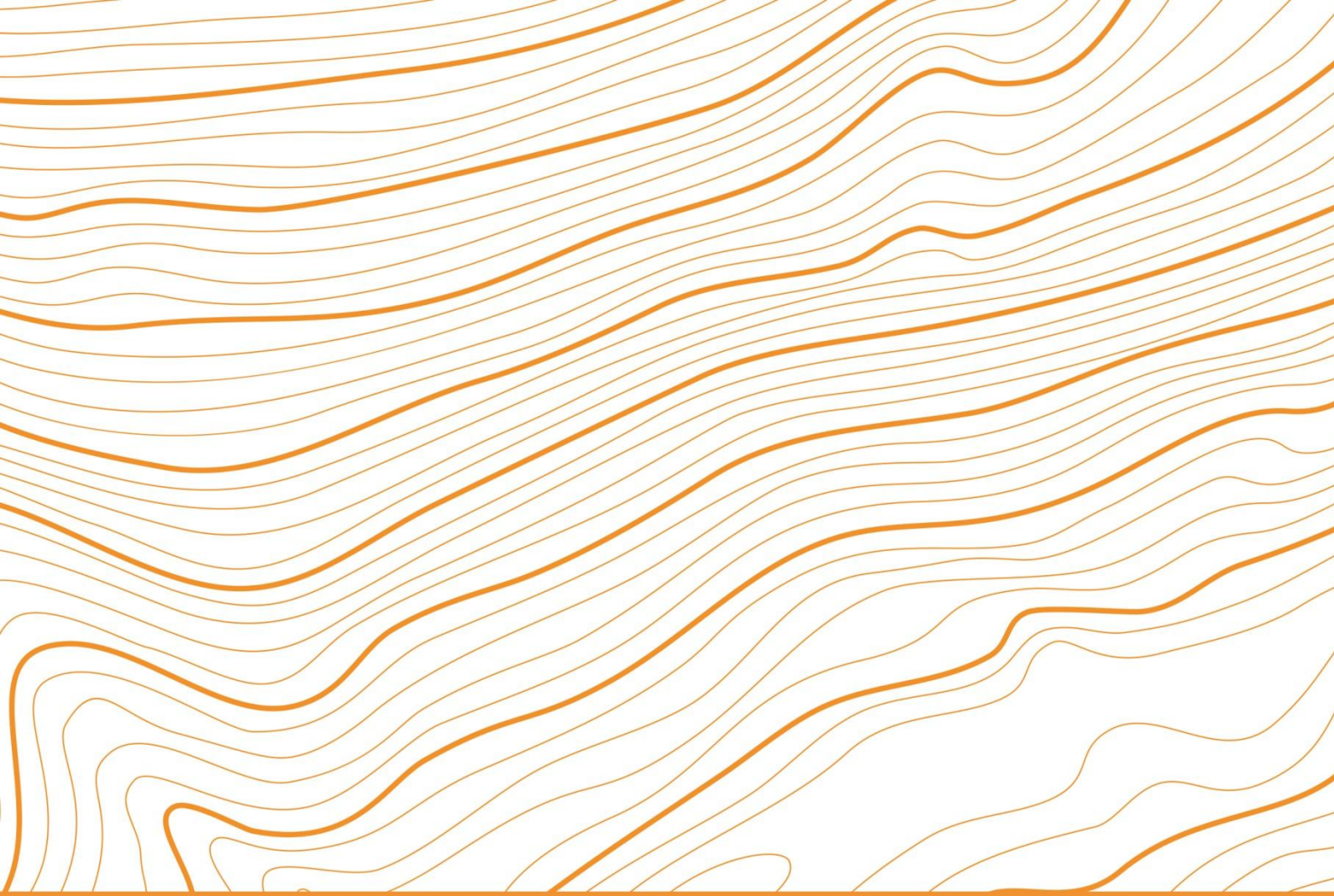
Risk Maps Viewer



Appendix A – Figures



Appendix B – Photographic Survey



Appendix C – Desk Study Data



Legend

 Site Boundary

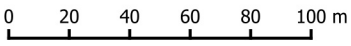


Figure Location Map

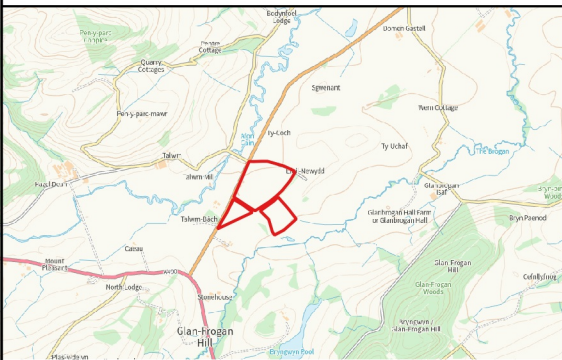
Job Brogan Solar Farm

Client Pegasus Group

Figure No.	Revision	Date
1	1	22 December 2025

Drawn by	Checked by	Scale
AW	PWS	1:2,500

Job No. 4853



DO NOT SCALE. NOT FOR CONSTRUCTION




Site Plan Provided by Client 2025.



FUSE-BROGAN-PLAN-0002

RLB



Project	Brogan Solar Farm	Legend — Proposed Brogan Solar Farm Site 30 acres  Brogan Connection point
Number	Fuse-BROGAN-Plan-0002	
Data	15/8/2024	
Version	V1.1	
Drawn by	LC	



Appendix B – Photographic Survey

4853 – Brogan Solar Farm – Photographic Survey

Image 1: Site access to Area A via the gate located east of B4943, looking east.



Image 2: Presumably a former gate to Area A, looking east of B4943.



Image 3: View of Area A, facing northwest. Branches and plastic scraps were found.



Image 4: View of Area A gently sloping to the west, looking east.



Image 5: Open access to Area A via the northern corner of the Area C, bypassing the embankment of former railway. Looking northwest.



Image 6: View of the Area A gently sloping to the west, looking west and B4943.



4853 – Brogan Solar Farm – Photographic Survey

Image 7: Two standing water features located near the northern boundary of the Area A, looking west.



Image 8: Waterlogged area towards the northern boundary of Area A, looking north.



Image 9: View of the southern area of Area A and the northern area of Area B separated by a vegetated boundary, looking southwest.



Image 10: View of Area A, looking north.



Image 11: Waterlogged ground in the southwestern corner of Area A, adjacent to the embankment of former railway line.



Image 12: Slight sheen observed in the waterlogged ground in the southwestern corner of Area A.



4853 – Brogan Solar Farm – Photographic Survey

Image 13: Access to the western boundary of Area B via a gate adjacent to B4393, looking west.



Image 14: Open access to the northern boundary of Area B via the southwestern corner of Area A, looking south.



Image 15: A telegraph pole located along the western boundary of Area B, approximately 40m south of the gate (Image 13), looking west.



Image 16: View of Area B, gently sloping to the west, with a telegraph pole running in northwest – southeast direction, looking east.



Image 17: View of Area B, looking northwest.



Image 18: View of Area B, looking north.



4853 – Brogan Solar Farm – Photographic Survey

Image 19: View of the southernmost corner of Area B, looking southwest.



Image 20: View of Area B from the easternmost corner, sloping to the west, looking west.



Image 21: Water trough found in the easternmost corner of Area B, with a flat tyre, a brick and a piece of scrap wood next to it.



Image 22: A gate at the southeasternmost corner of Area A, bypassing the embankment of the former railway line to access the western corner of Area C, looking southeast.



Image 23: A gate located on top of a slope, providing access to the western corner of Area C, looking southwest.



Image 24: The embankment of the former railway line that serves as a muddy footpath offsite, looking northeast.



4853 – Brogan Solar Farm – Photographic Survey

Image 25: Standing on the crest of a slope, view of Area C sloping to the west and the east, looking north.



Image 26: View of Area C sloping to the east, looking southeast.



Image 27: View of Area C sloping to the east, looking northwest.



Image 28: Made ground paved with coarse gravels, approximately 40m southwest offsite of Area C, looking southwest.



Image 29: A water pipe found on the eastern corner of Area C, running in a northwest direction.



Image 30: Part of the water pipe hidden by Made Ground paved with coarse gravels.



4853 – Brogan Solar Farm – Photographic Survey

Image 31: Water pipe connected to a trough located on the northern corner of Area C.

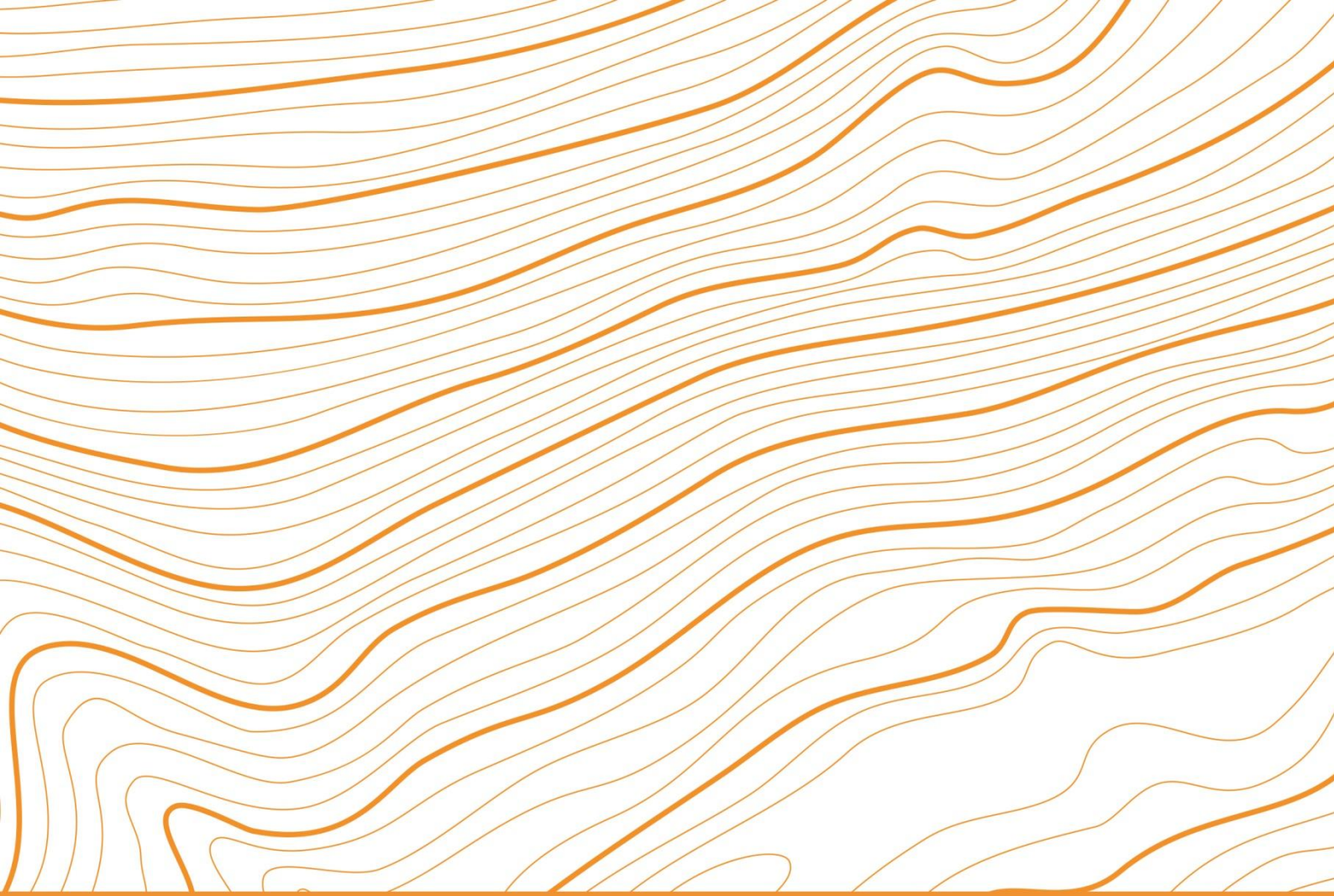


Image 32: View of Area C, looking northwest.



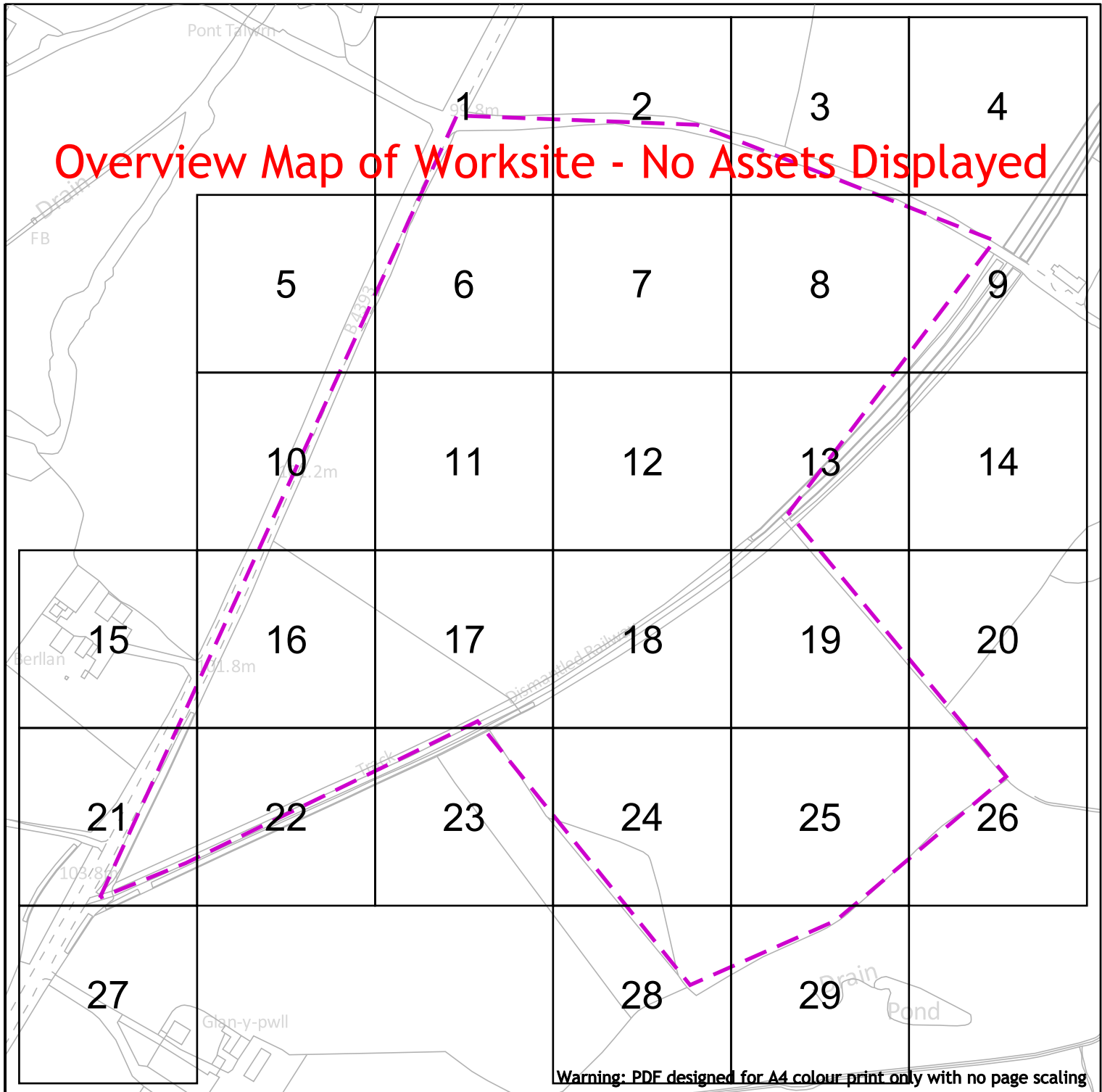
Image 33: Sheep grazing along the southeastern boundary of Area C, looking northeast.





Appendix C – Desk Study Data

Overview Map of Worksite - No Assets Displayed

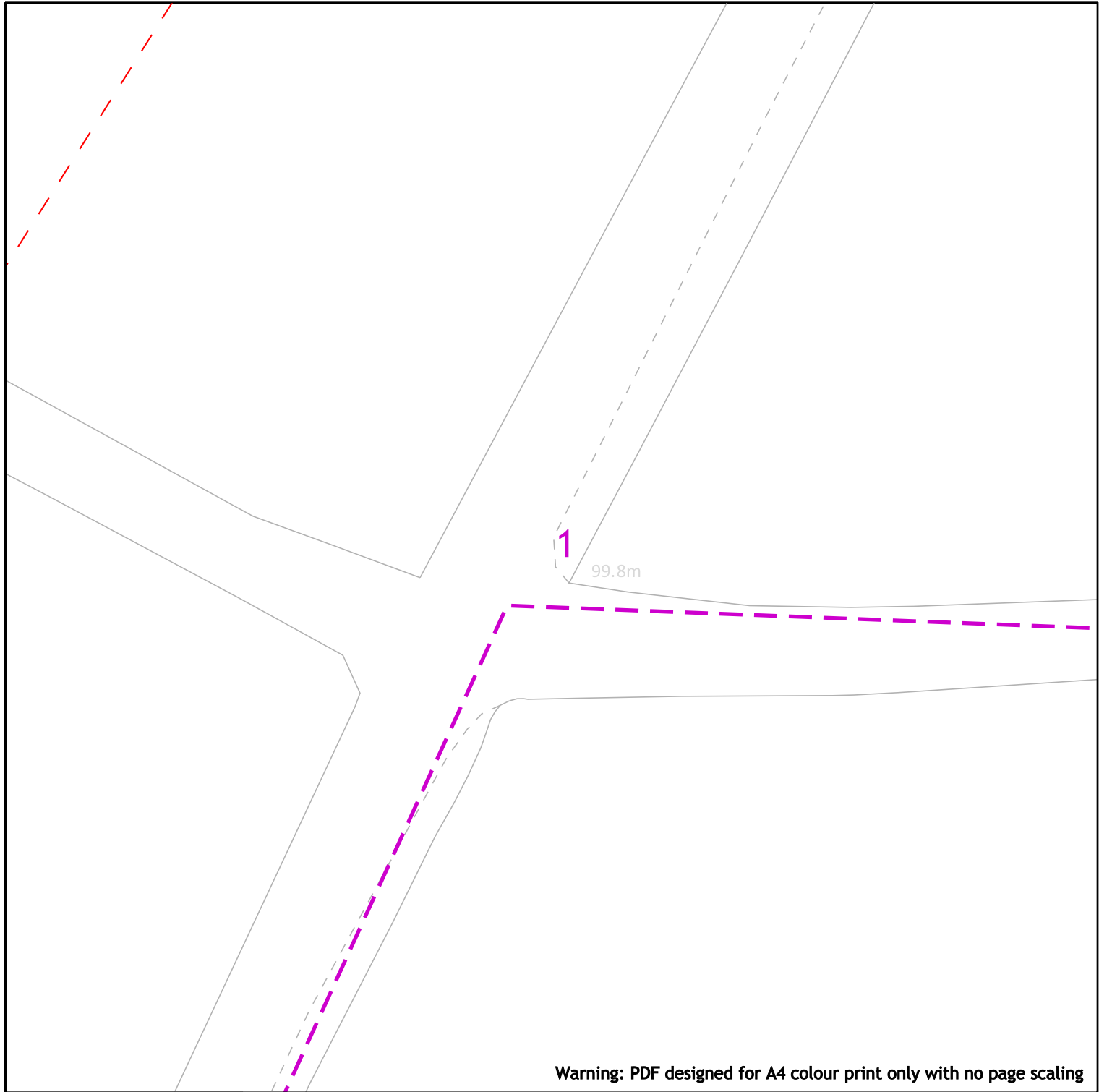


Date Requested: 18/12/2025
 Job Reference: 39837686
 Site Location: 317645 318848
 Requested by: Mr Luke Wilkinson
 Your Scheme/Reference: 4853

Underground Cables In Use Out of Use Assumed Route	Overhead Line Warning - Shallow Cables	Dig Sites Area: Line:	LV (6kV/6.6kV) HV (22kV/11kV) EHV (33kV) Trans (132kV/275kV/400kV) Non Power Cable Duct
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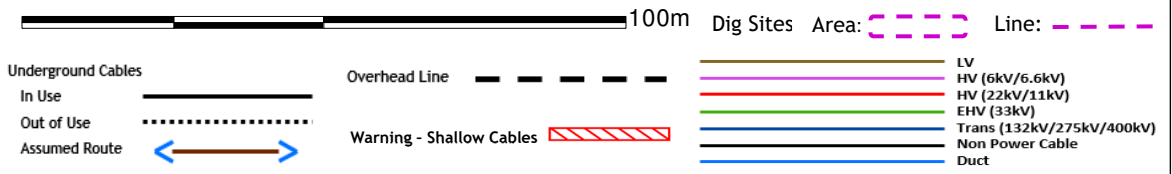


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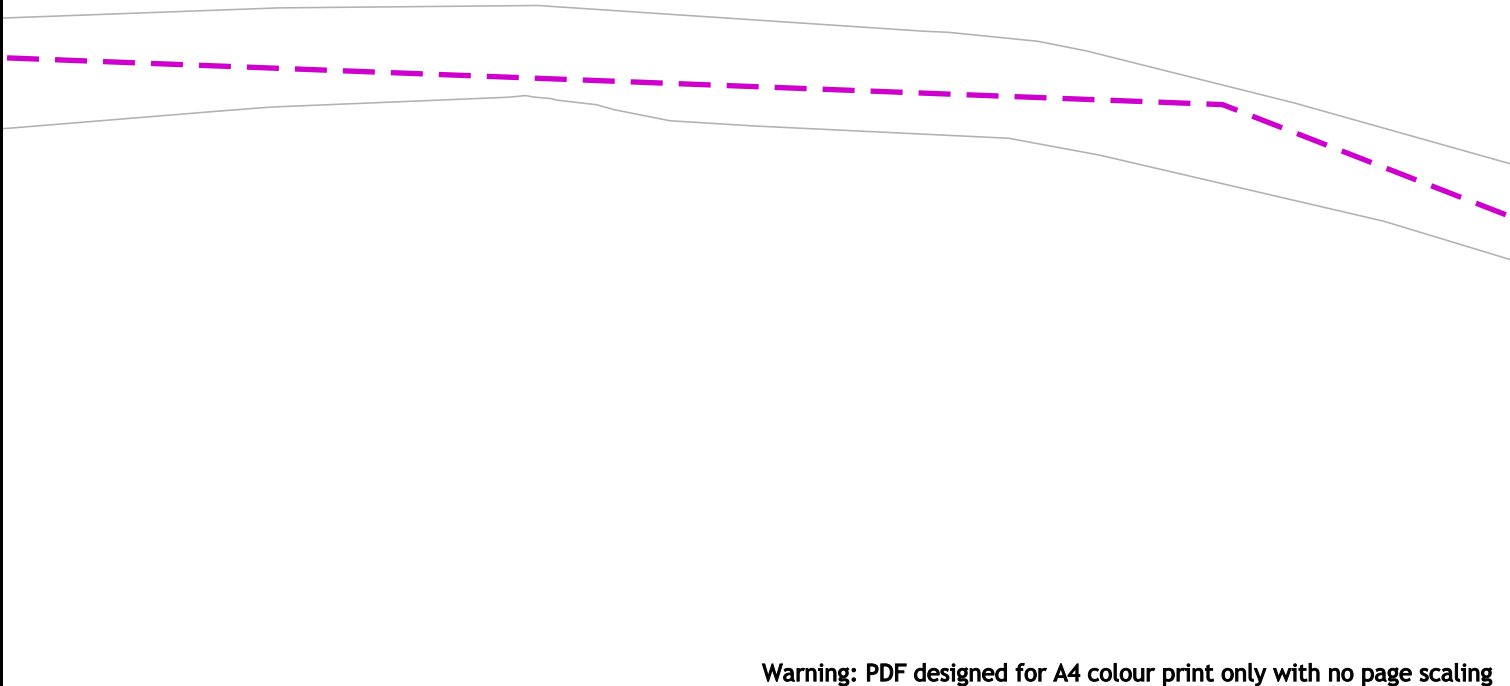
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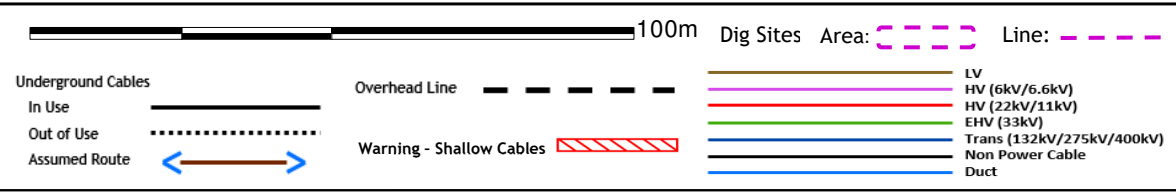
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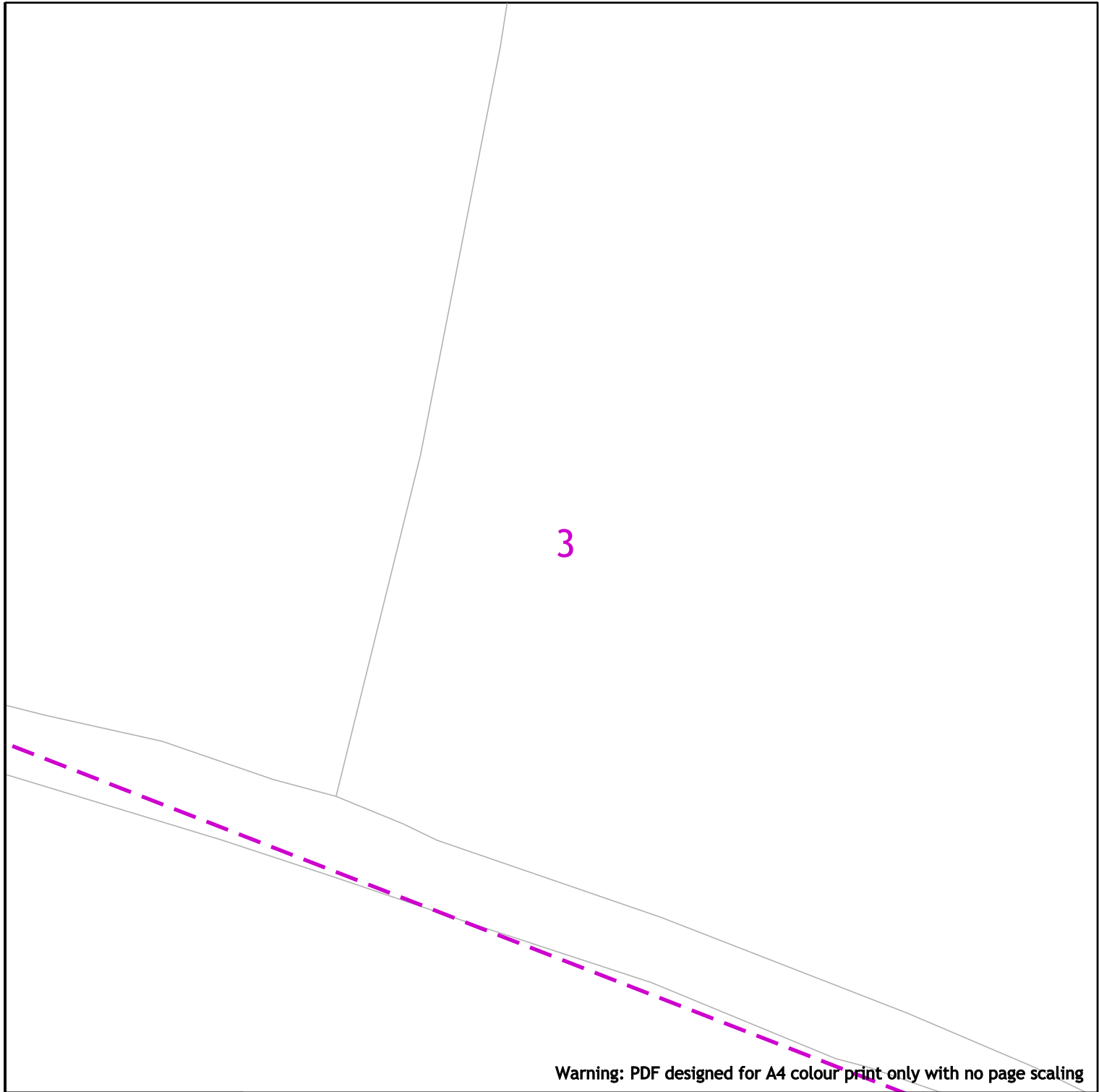
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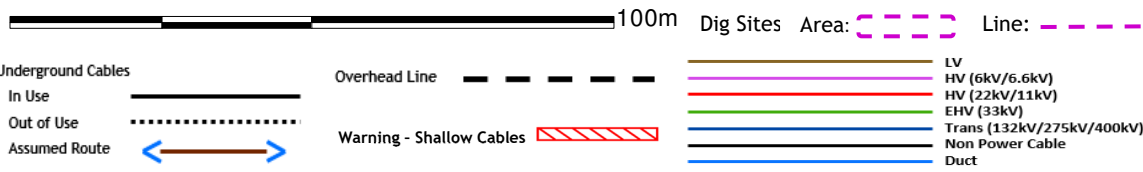


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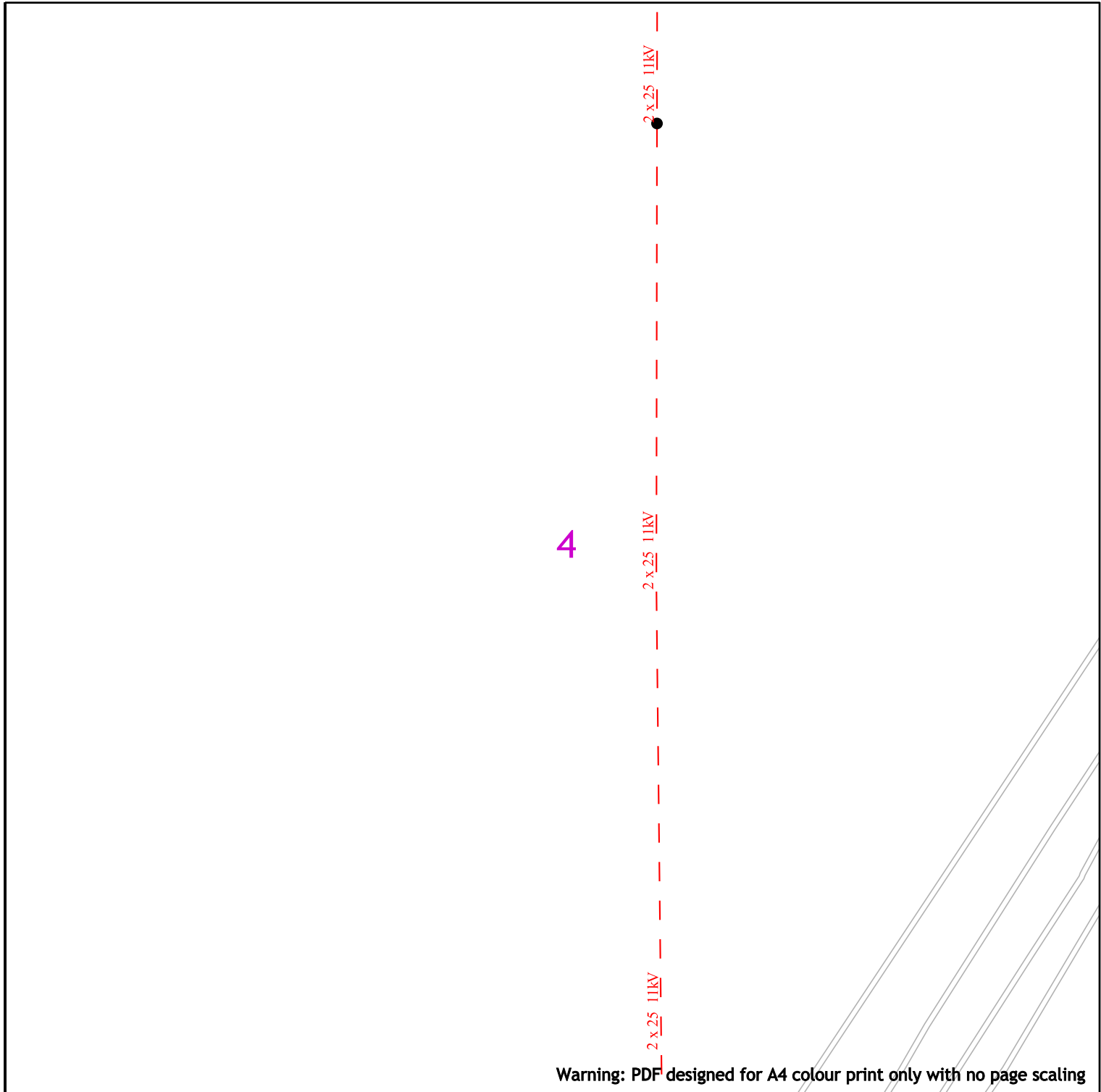
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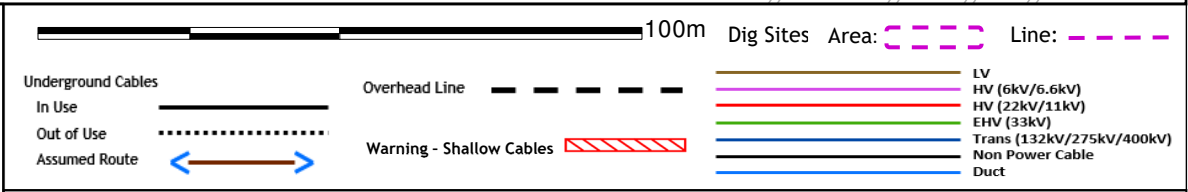


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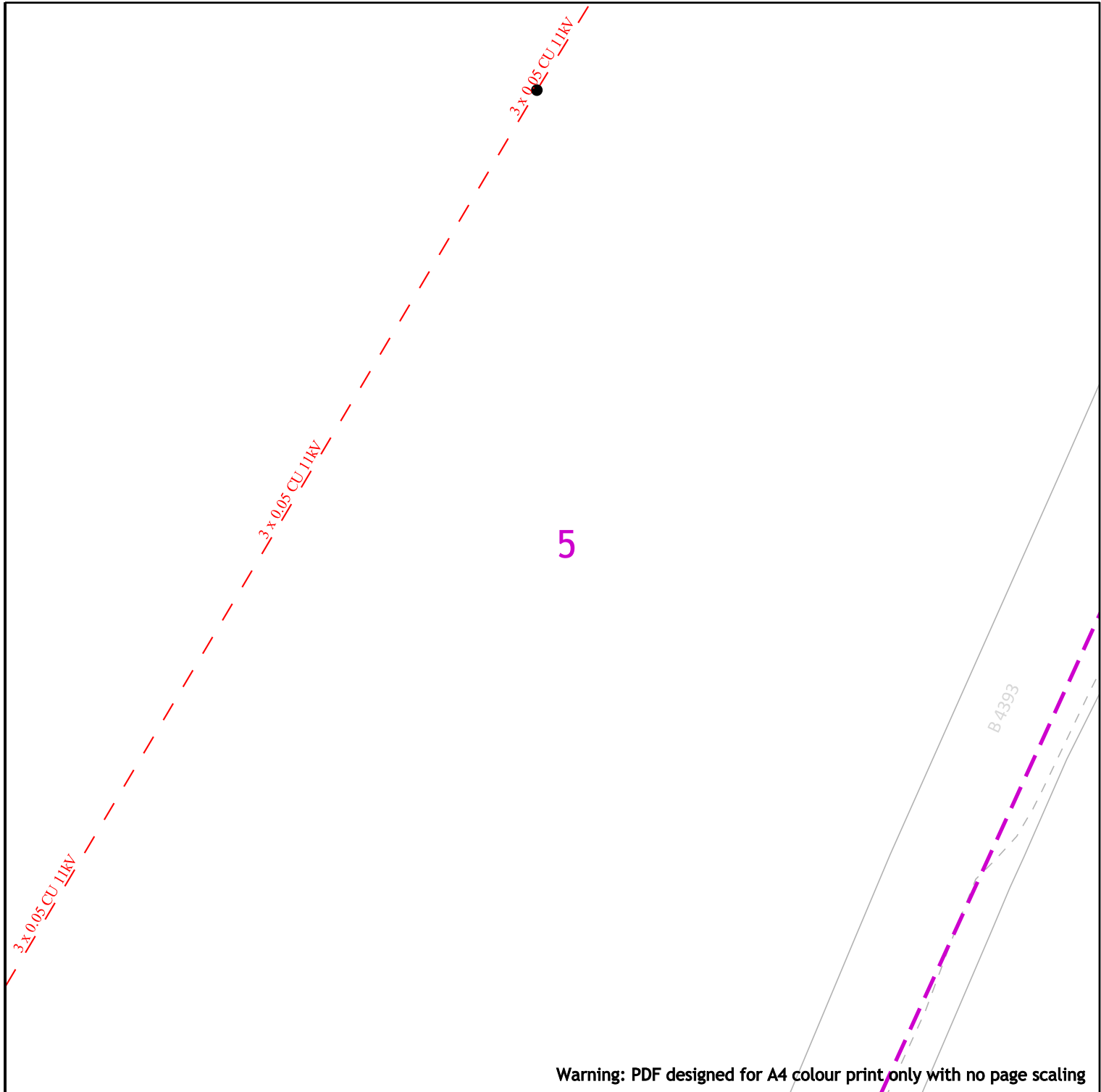
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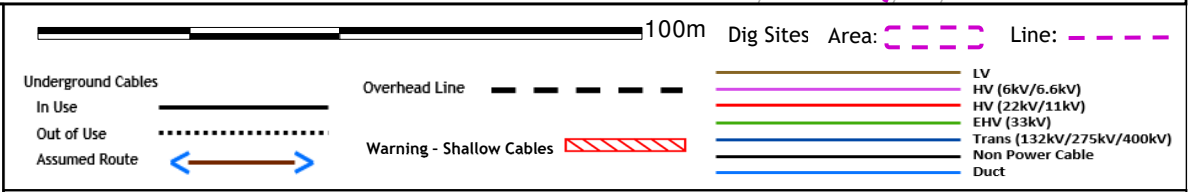
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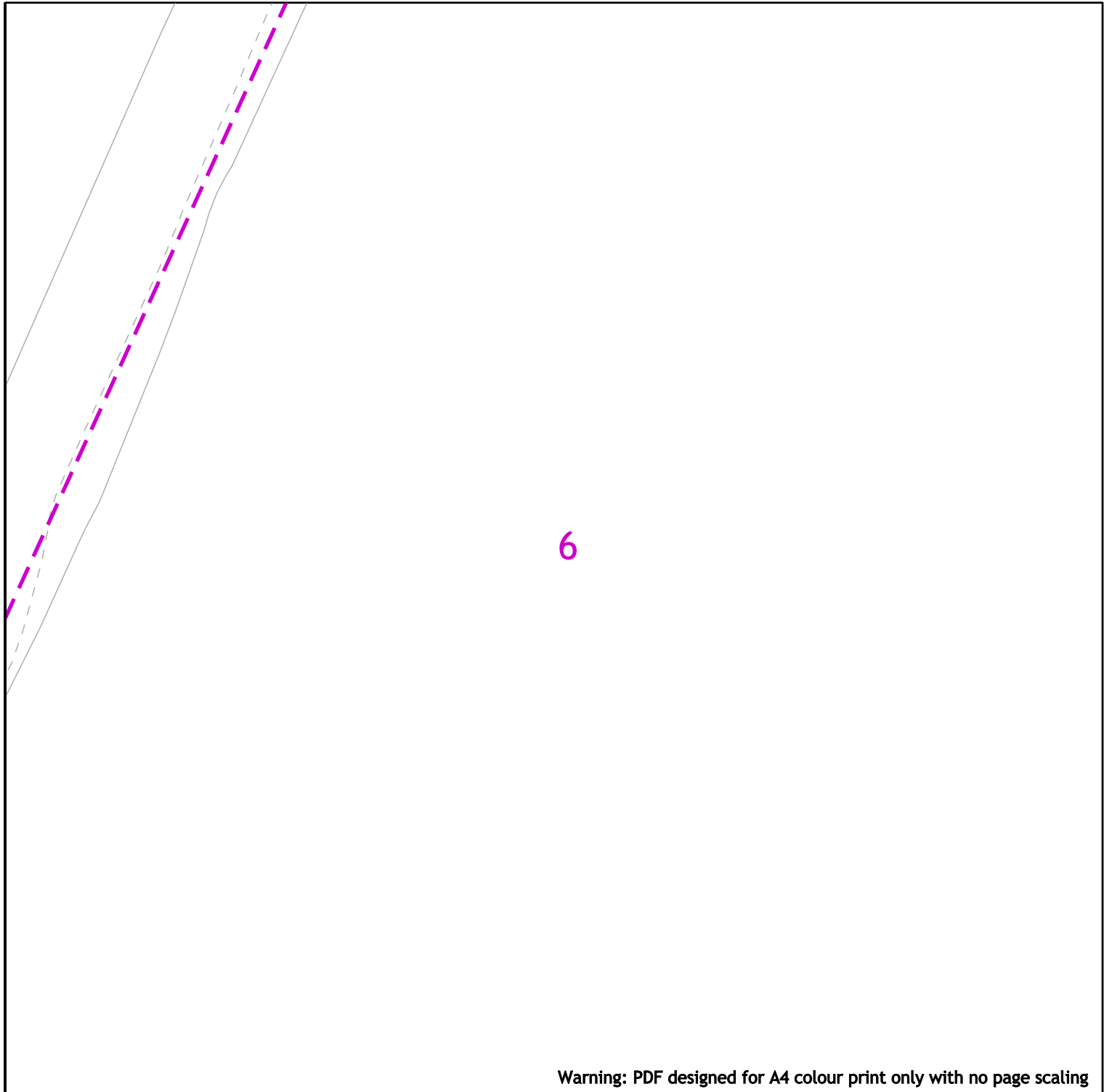
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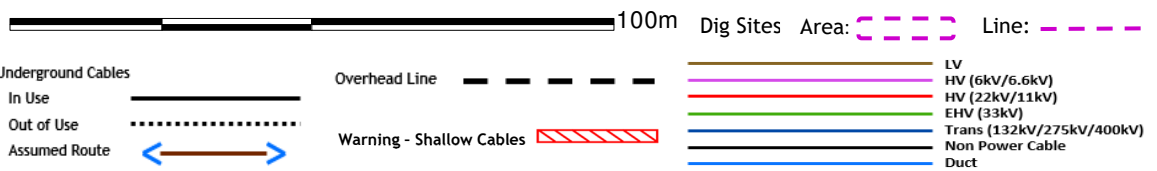
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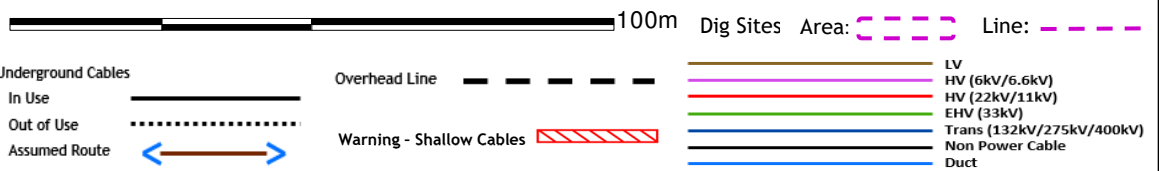
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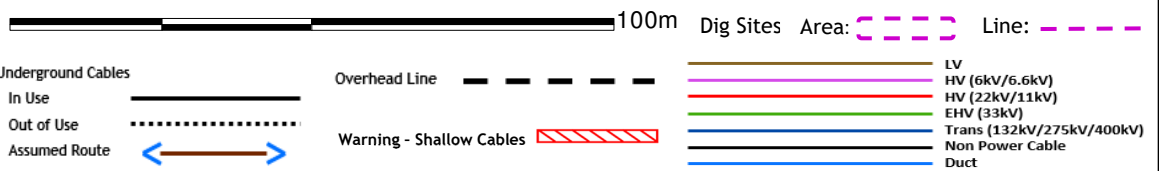
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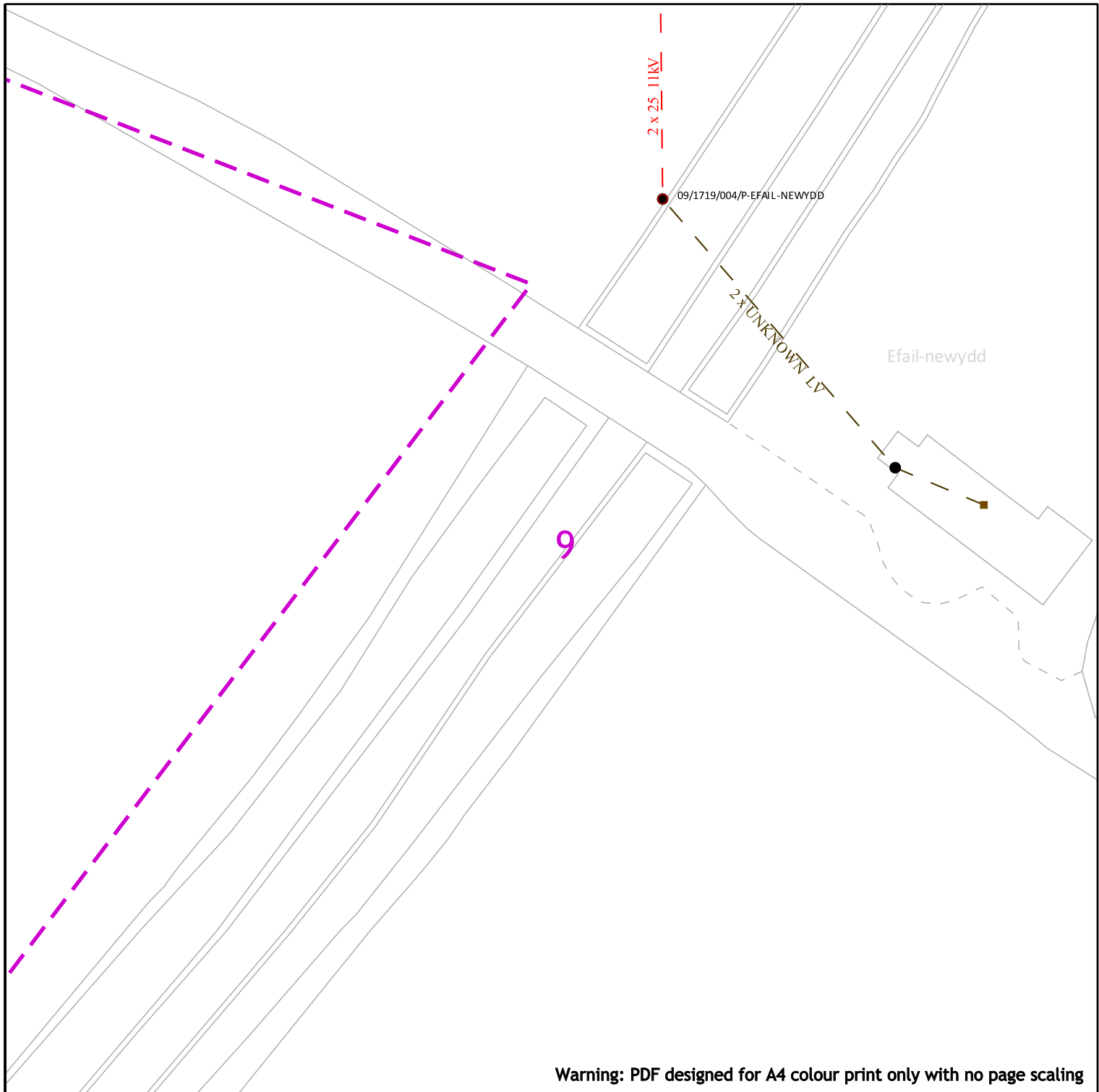


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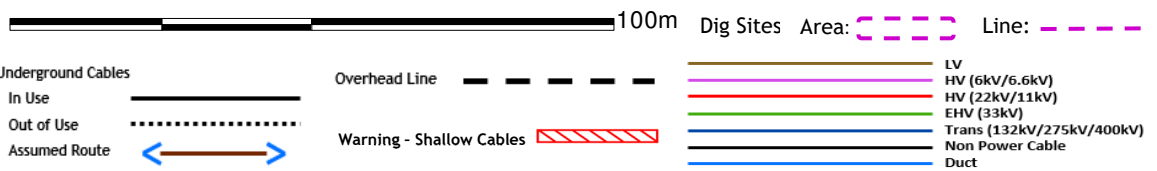


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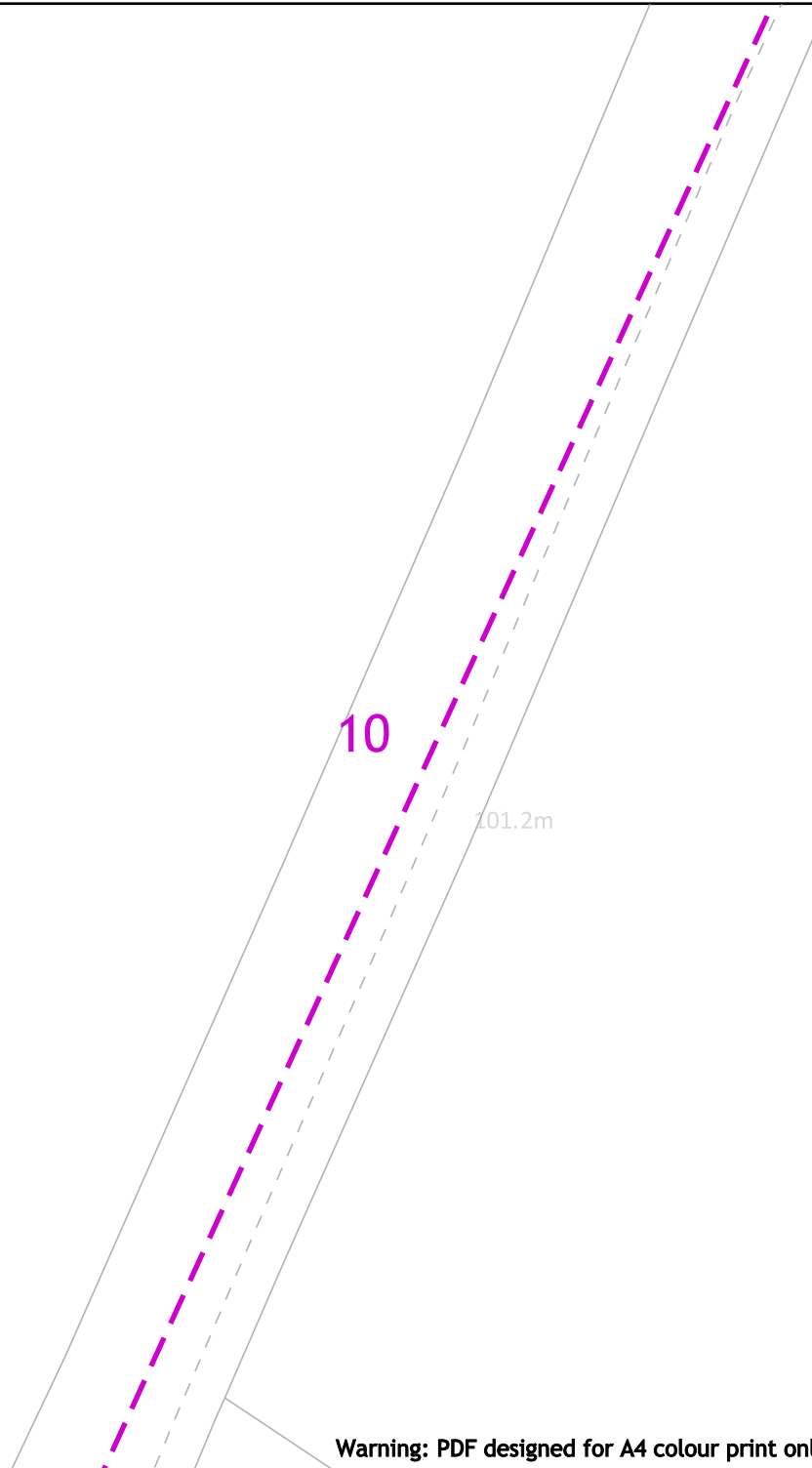
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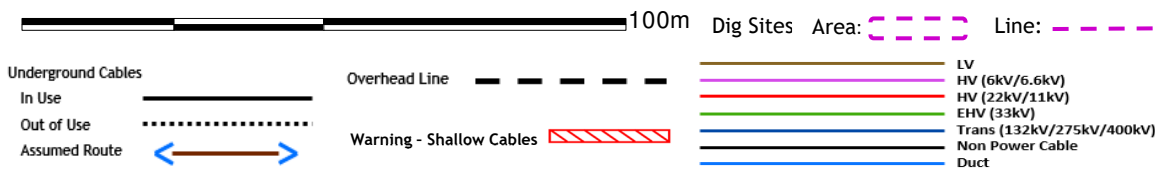


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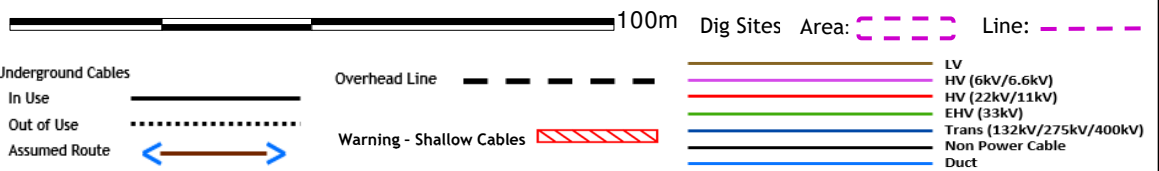
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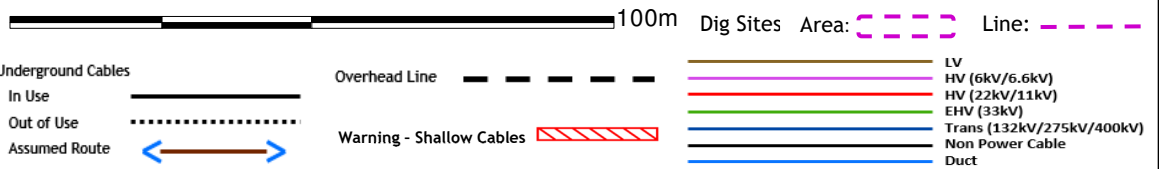
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 Site Location: 317645 318848
 Requested by: Mr Luke Wilkinson
 Your Scheme/Reference: 4853

Scale: 1:500 (When plotted at A4)

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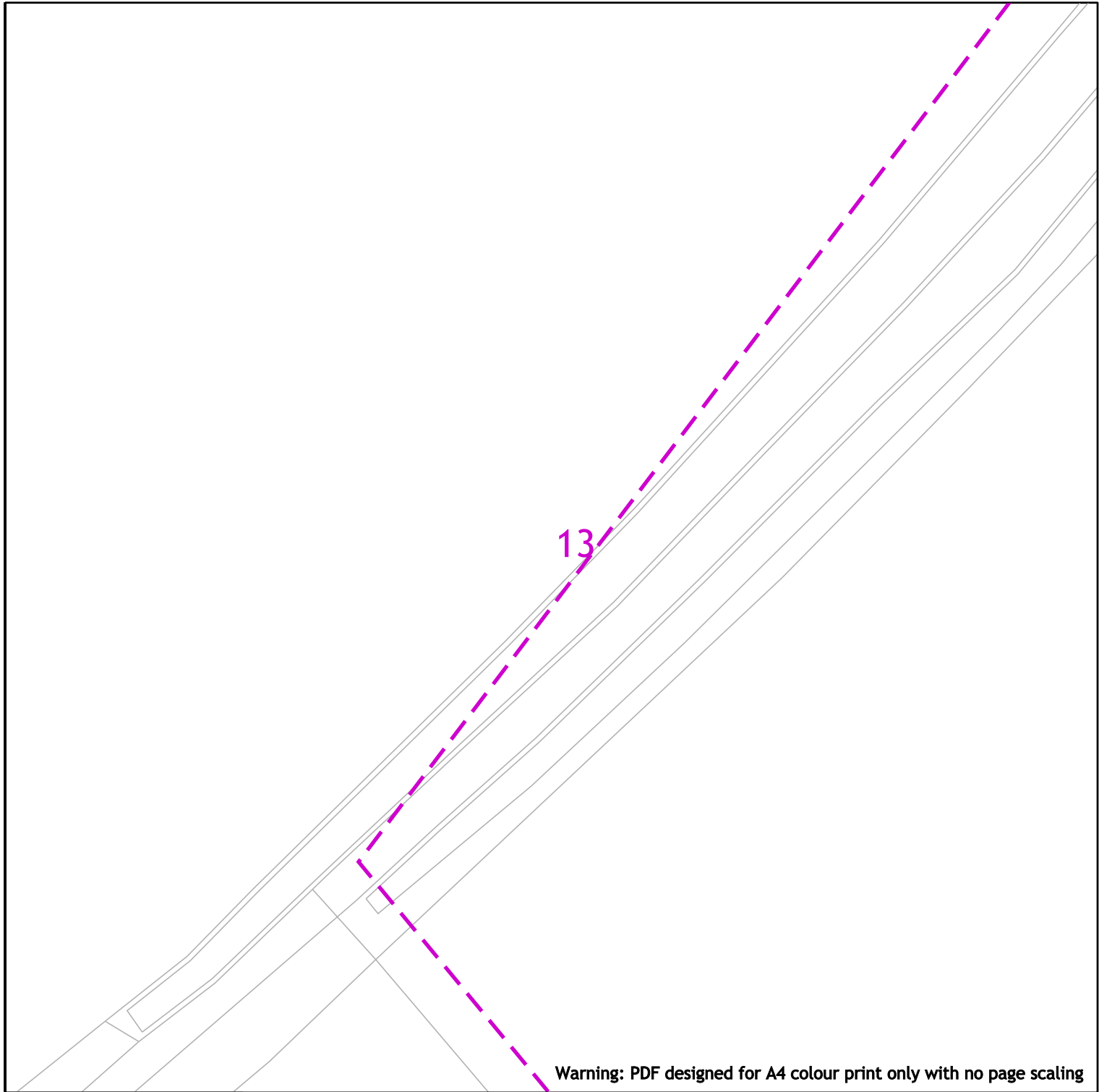


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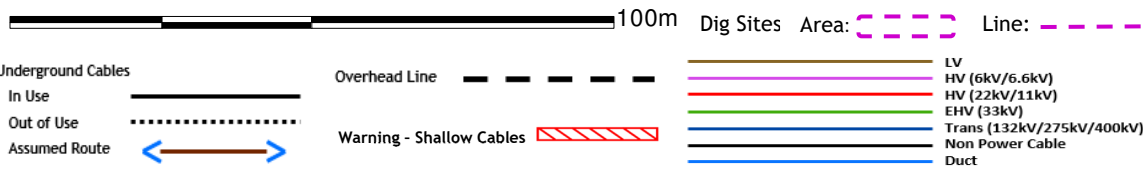


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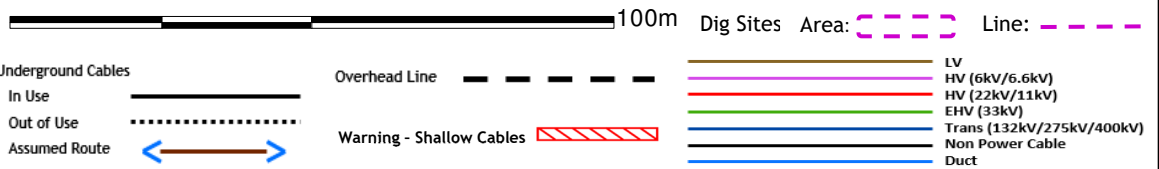
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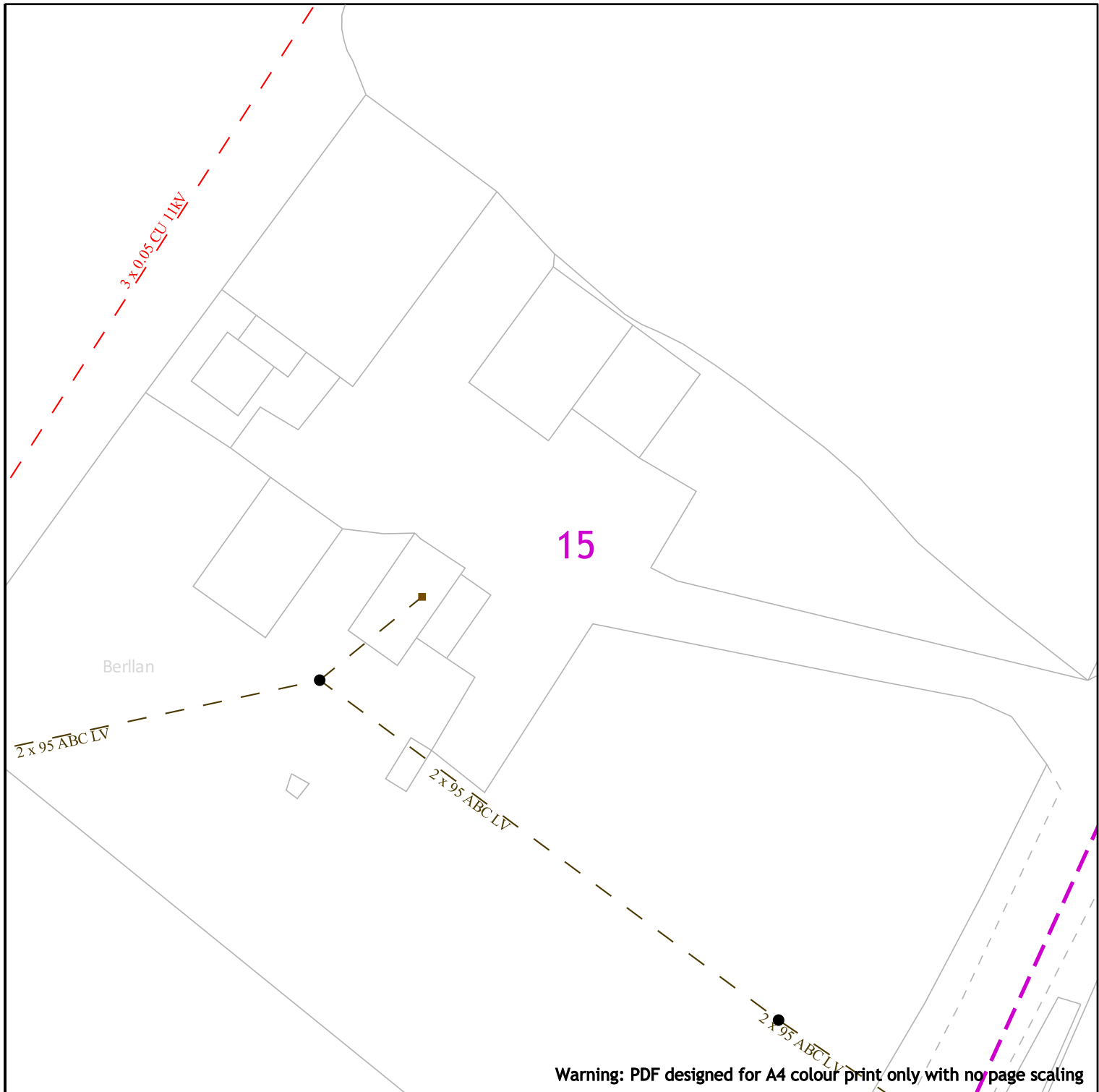
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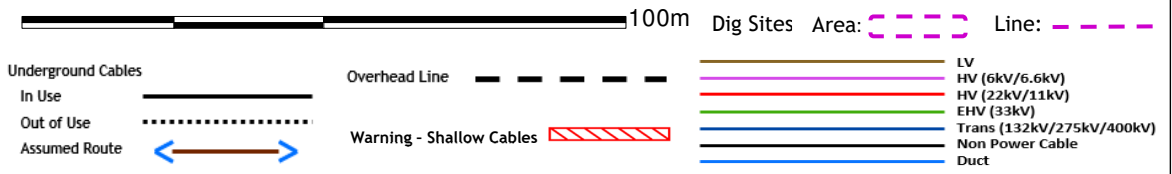


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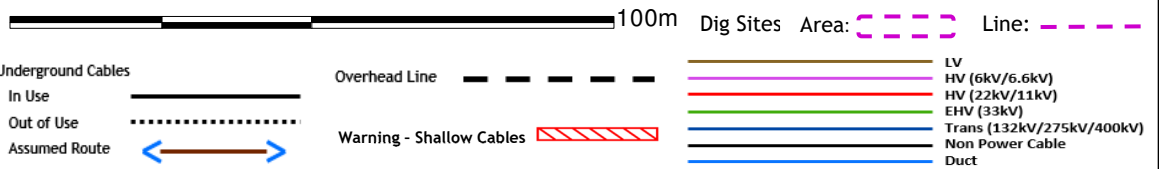
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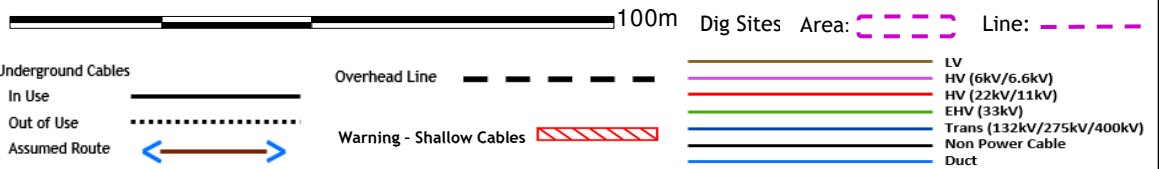
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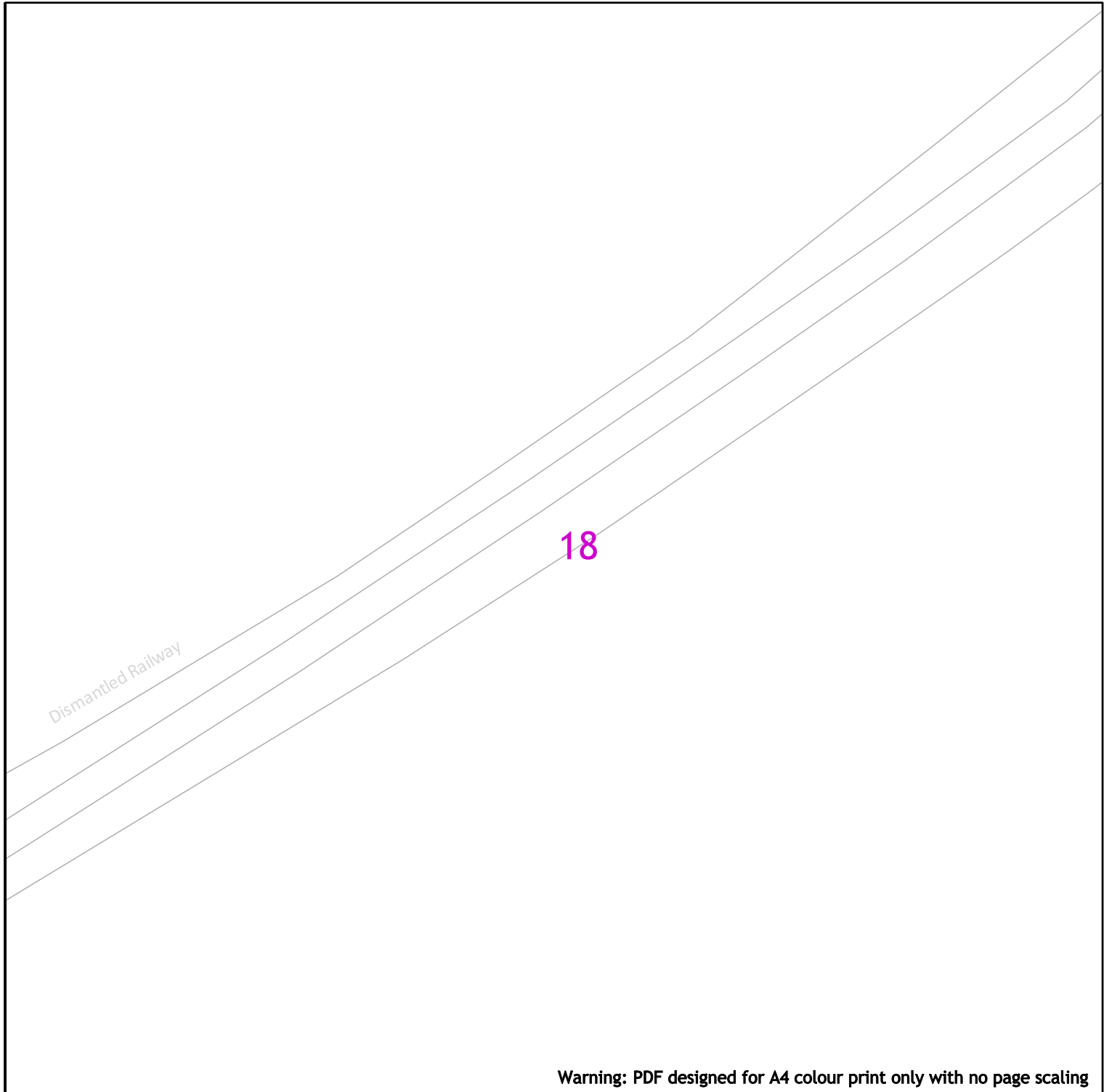
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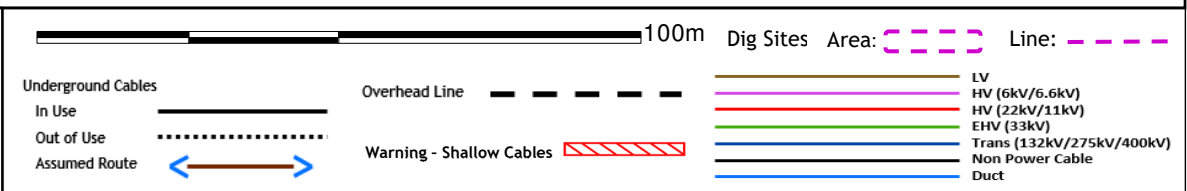


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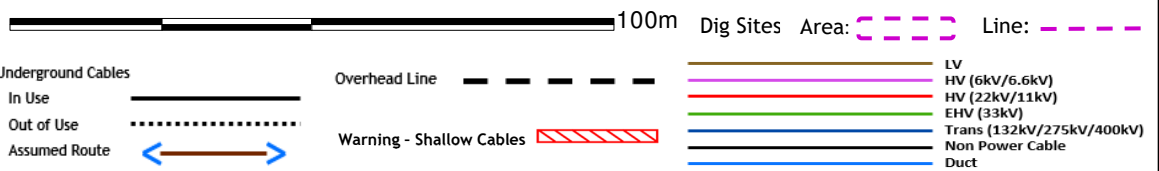
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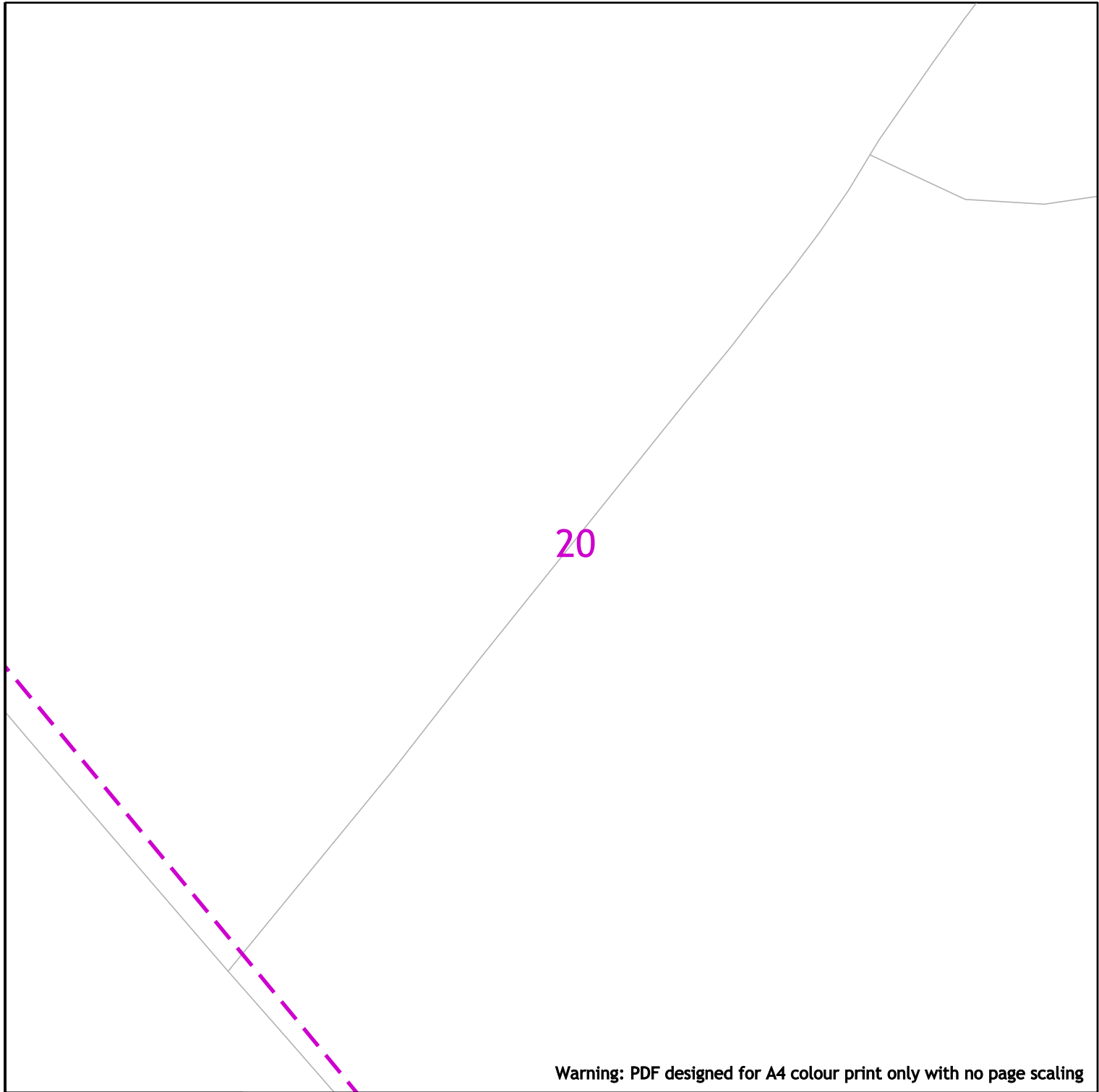
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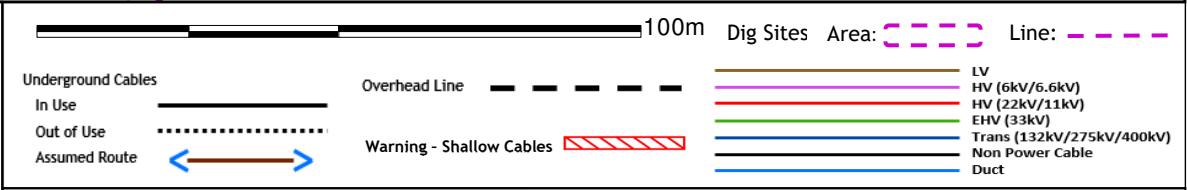


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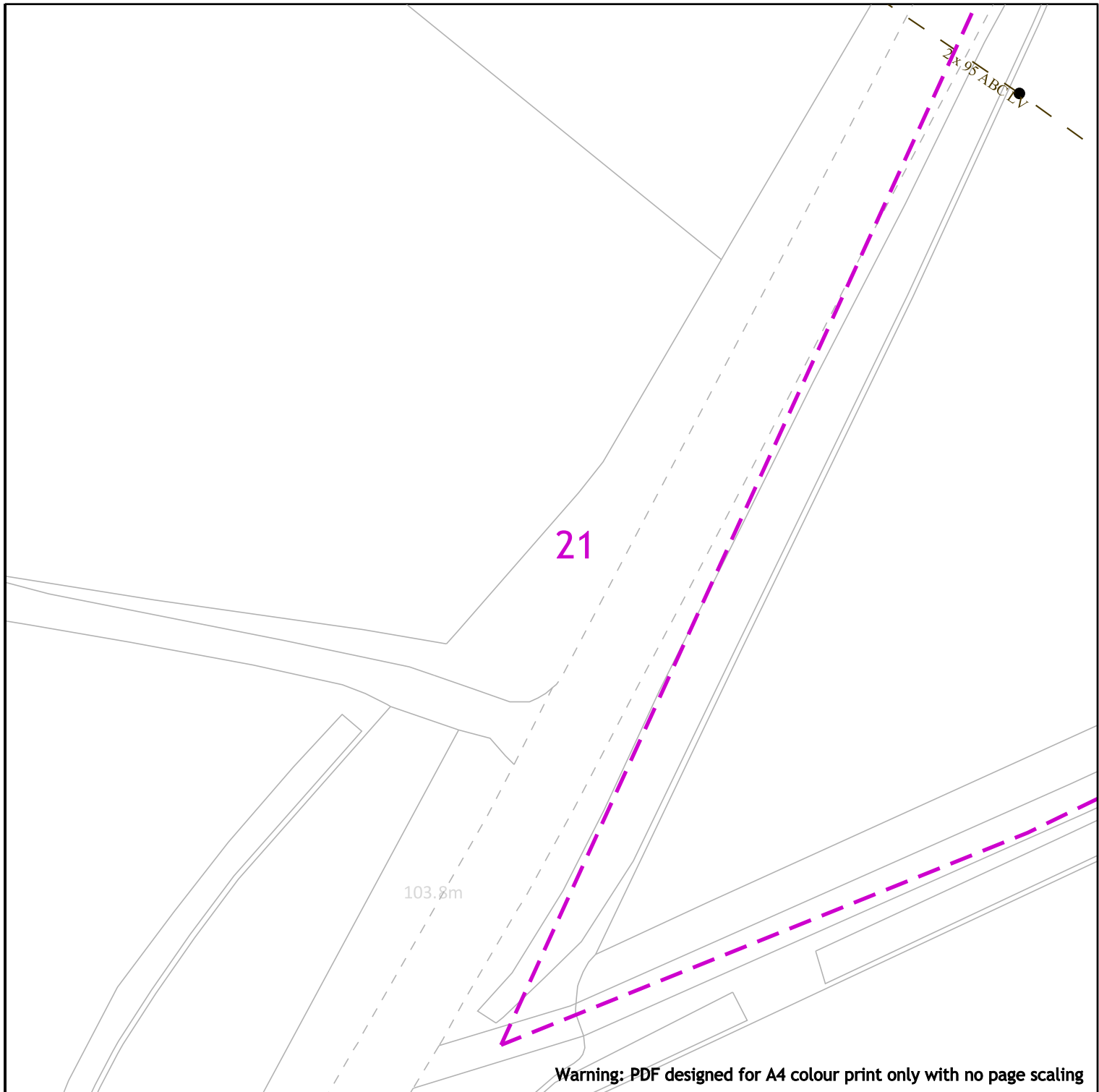
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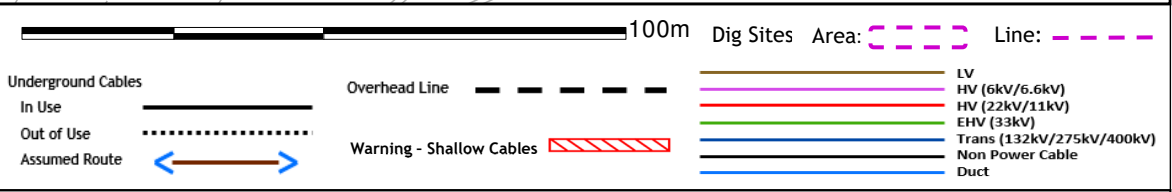


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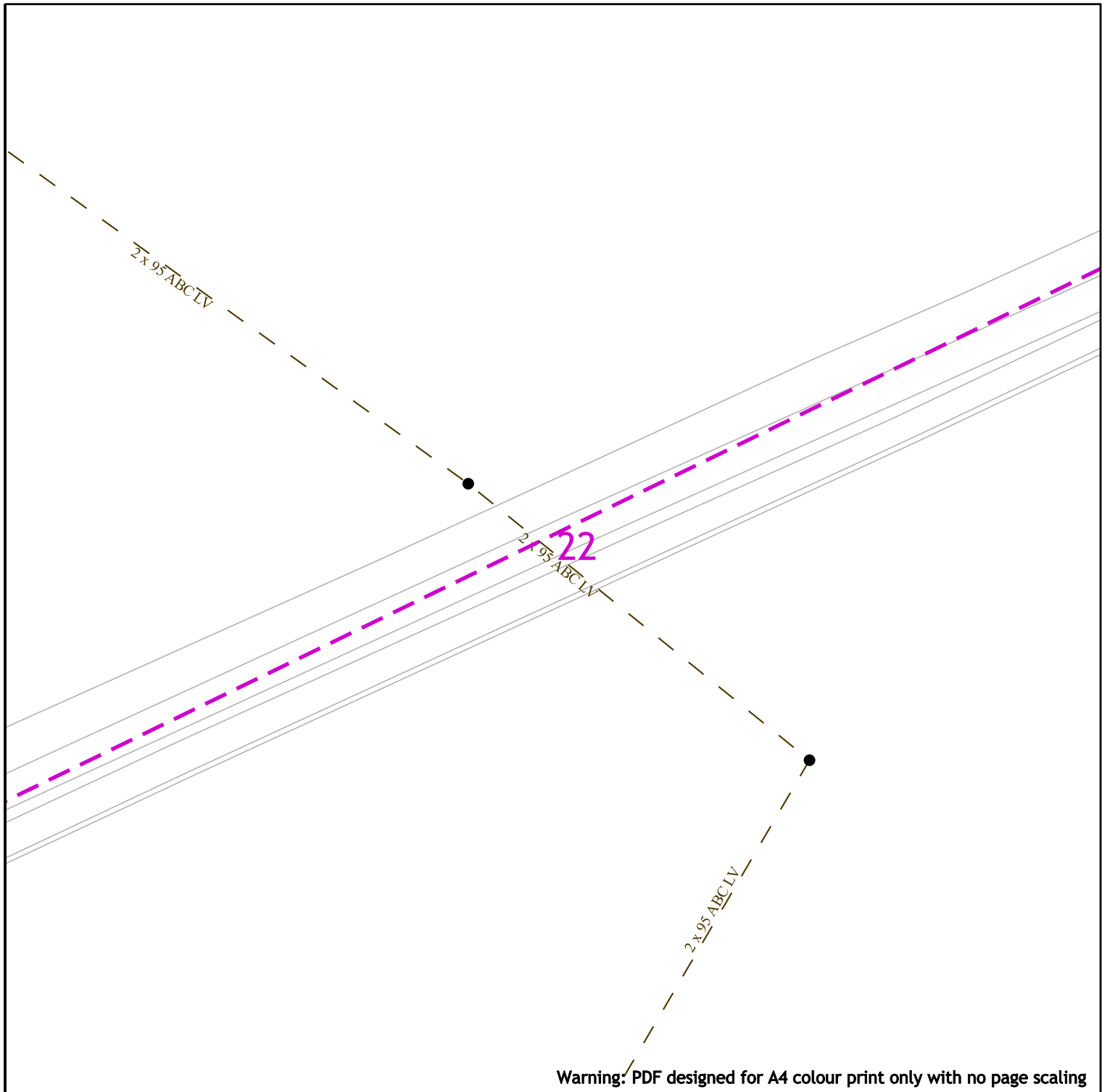
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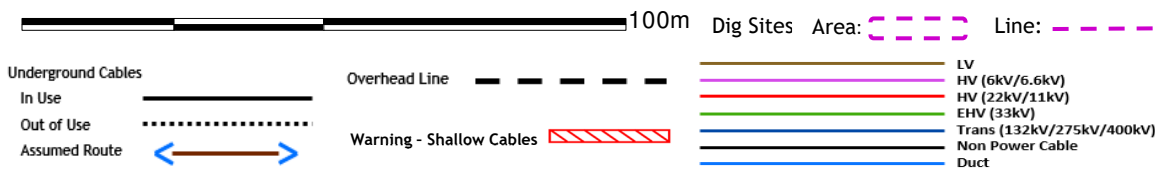


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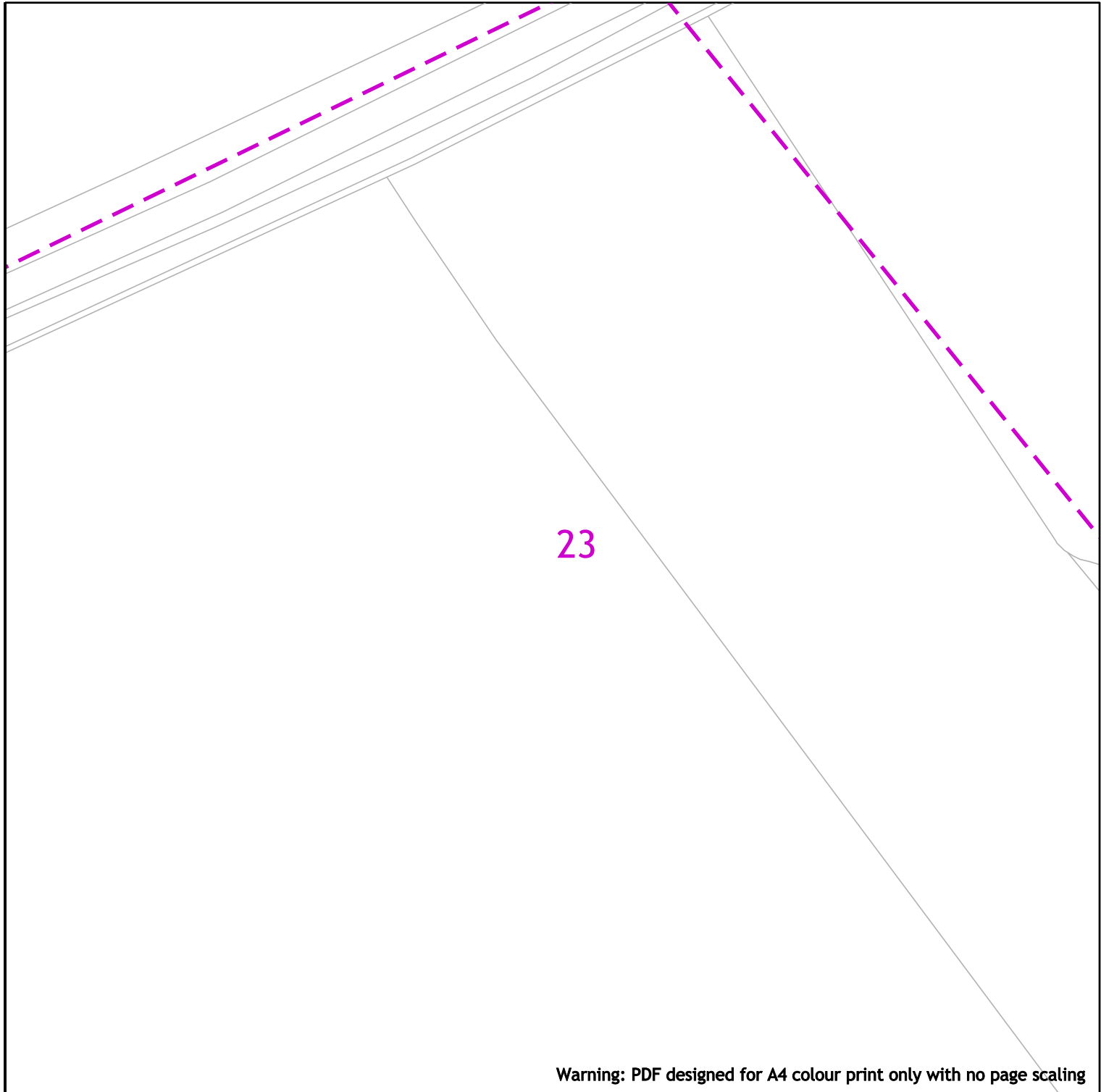
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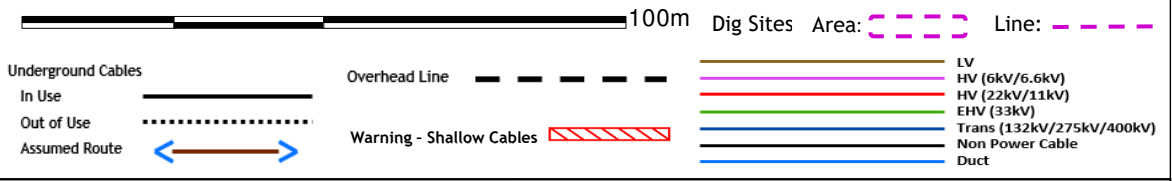


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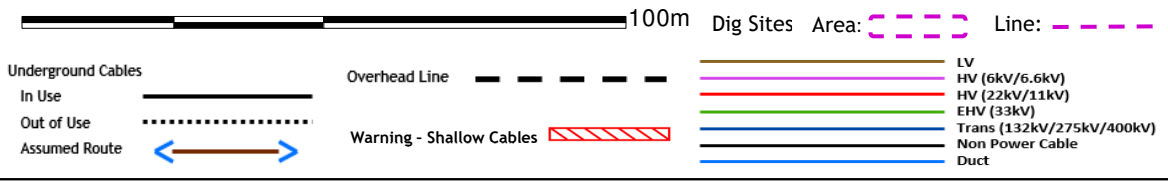
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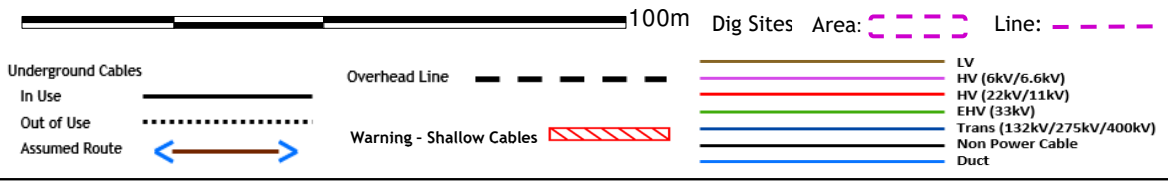
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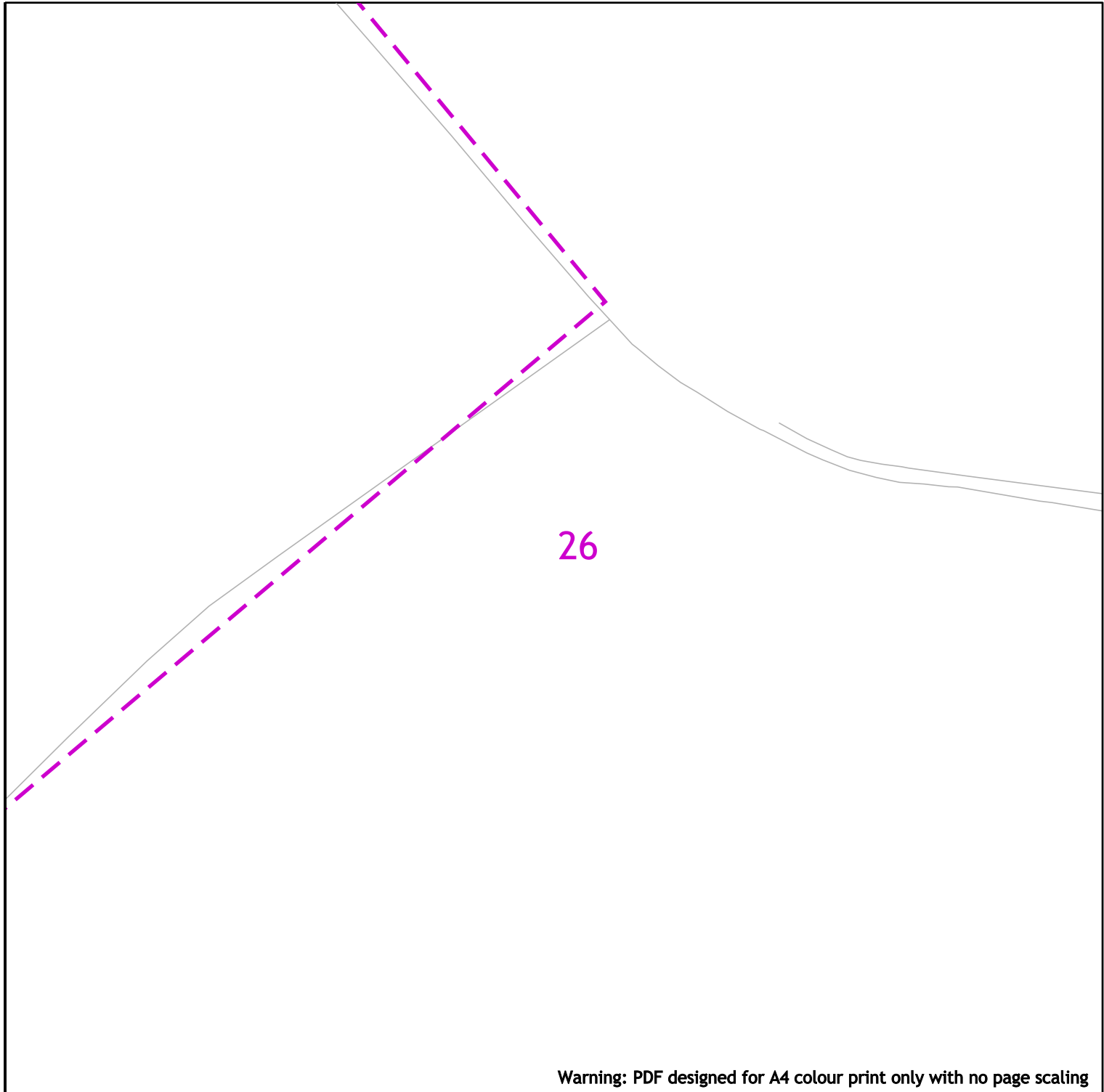


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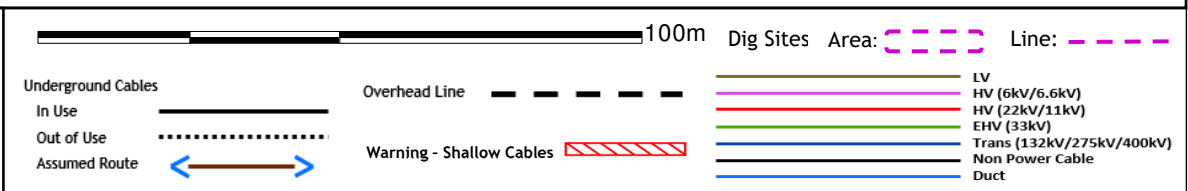
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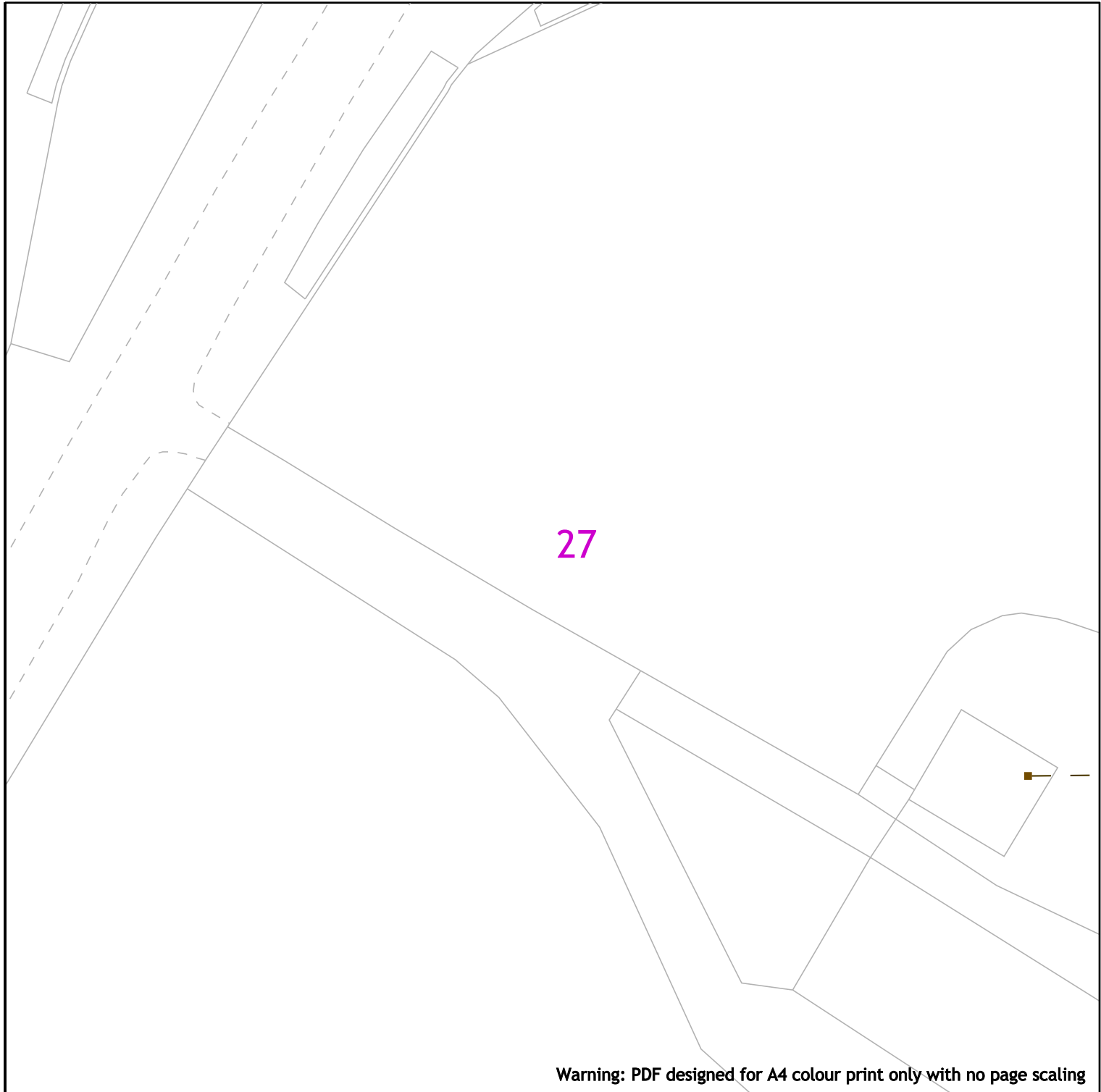
Warning: PDF designed for A4 colour print only with no page scaling



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- You must use safe digging practices in accordance with HS(G)47 to establish the actual position of mains cables, services and other apparatus before any mechanical excavation is used.
- Where overhead lines cross your site, you must comply with the requirements of Health & Safety Executive guidance as laid down in GS6, Avoidance of Danger from Overhead Electric Lines.
- Any works that fall within 5m of any 132kV or Transmission cables, or within 15m of any 132kV or Transmission OHL's, please contact our General Enquiries Team **0845 273 4444 / 0330 10 10 444** for further safety advice.
- In the event of an emergency or for further assistance contact **0800-092-9290 (Central & Southern Scotland) or 0800-001-5400 (Merseyside, Cheshire & North Wales) or by dialling 105**
- It is your responsibility to ensure this information is provided to all persons working near our plant.

Date Requested: 18/12/2025
 Job Reference: 39837686
 Site Location: 317645 318848
 Requested by: Mr Luke Wilkinson
 Your Scheme/Reference: 4853

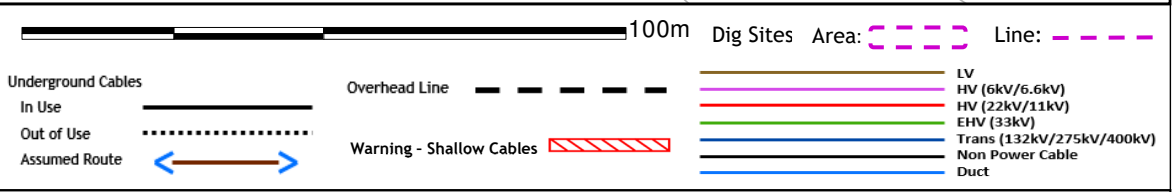


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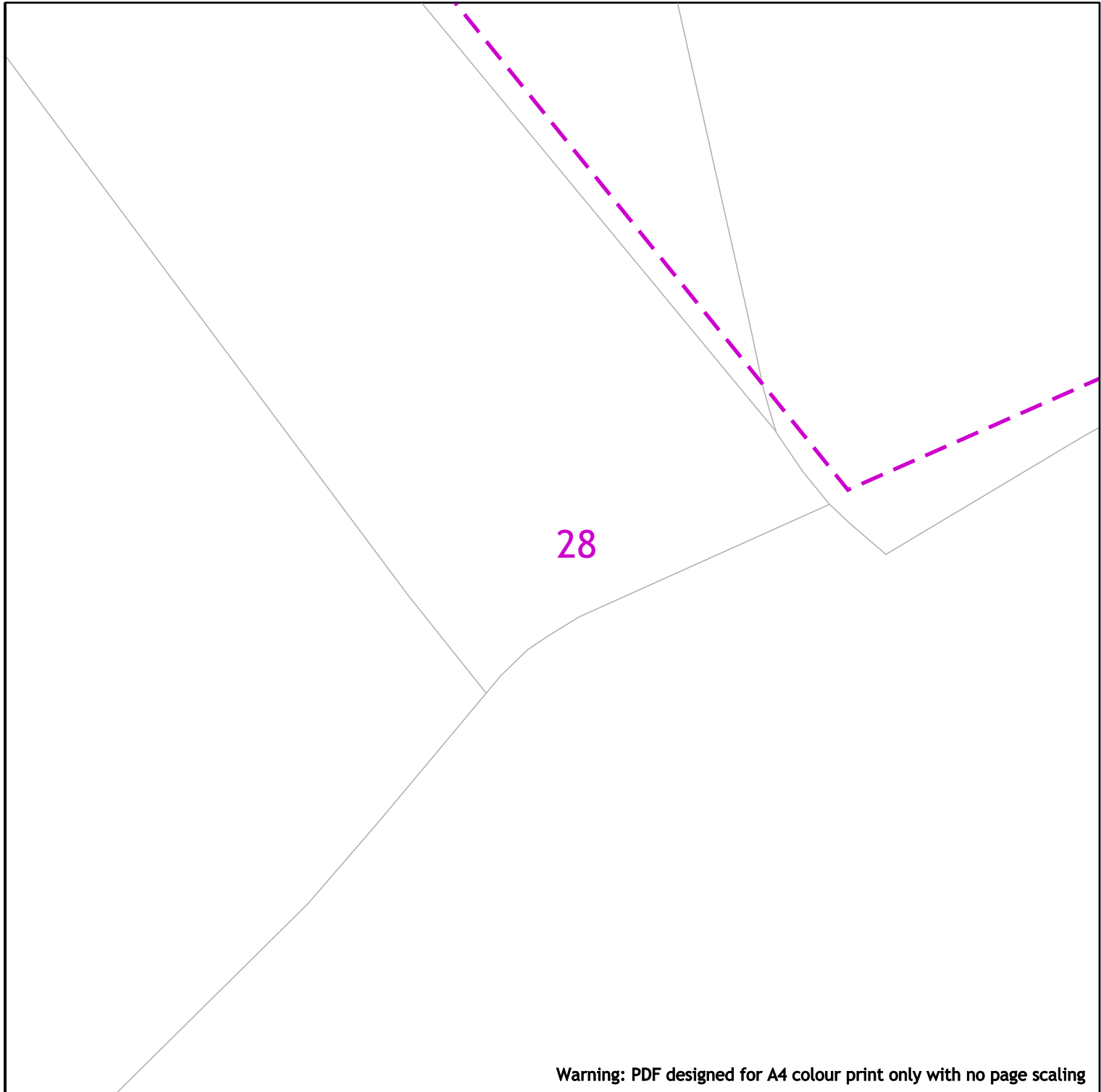
Date Requested: 18/12/2025
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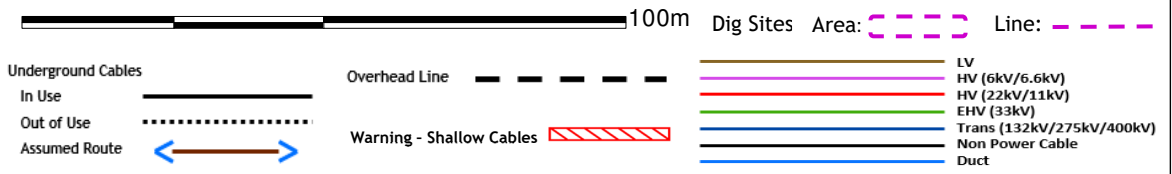


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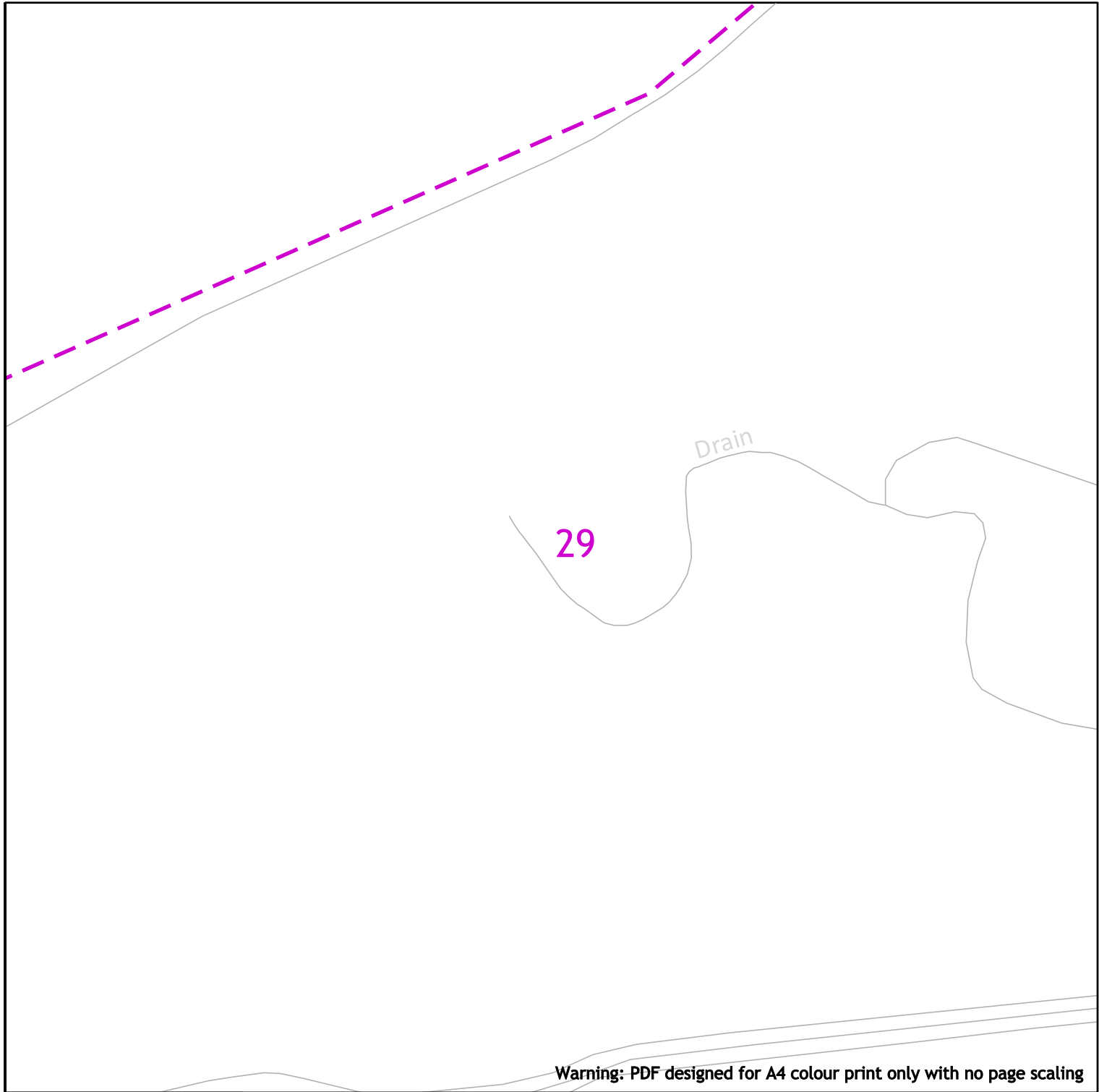
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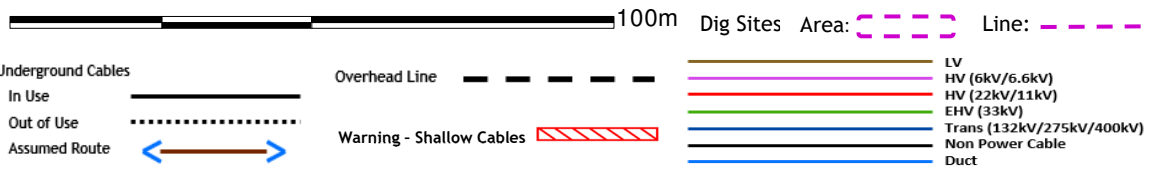


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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

388404915_1_1

Customer Reference:

4853

National Grid Reference:

317670, 318870

Slice:

A

Site Area (Ha):

12.5

Search Buffer (m):

1000

Site Details:

Site at 317650, 318980

Client Details:

Mr M Swindells
Geo2 Remediation Ltd
Coniston House
Louisa Street
Bradford
West Yorkshire
BD10 8NE

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	30
Hazardous Substances	-
Geological	31
Industrial Land Use	34
Sensitive Land Use	35
Data Currency	39
Data Suppliers	44
Useful Contacts	45

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3				6
Prosecutions					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5				2
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5			4	8 (*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 9	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 10	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 10	Yes	Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 10		11	21	128
Water Framework Directive - Catchment	pg 28	Yes			Yes
Water Framework Directive - Groundwater	pg 28	Yes			
Water Framework Directive - Surface Waters	pg 29		Yes		

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 30	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 30		2	1	1
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 31	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 31	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 31				3
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 32	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 33	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 33	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 34				9
Points of Interest - Public Infrastructure	pg 34			1	2
Points of Interest - Recreational and Environmental					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 35		2	6	41
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 38			1	
Special Areas of Conservation	pg 38			1	
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (SW)	0	1	317500 318750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (S)	0	1	317668 318850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11SW (SE)	0	1	317750 318700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NW (NW)	0	1	317650 318900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (SE)	0	1	317700 318850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (SE)	0	1	317750 318800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (E)	0	1	317750 318900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (E)	0	1	317800 318900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (NE)	0	1	317850 318950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (SE)	0	1	317668 318871
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (NE)	0	1	317850 319000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (E)	0	1	317700 318871
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (E)	0	1	317750 318871
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (E)	0	1	317800 318871
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (E)	0	1	317750 318850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (E)	0	1	317800 318850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (NE)	0	1	317800 318950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (NE)	22	1	317850 319100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (E)	100	1	317950 318871
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (E)	146	1	318000 318900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NW (S)	162	1	317800 318500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (E)	167	1	318050 318950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (E)	215	1	318100 318950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NW (S)	256	1	317750 318400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	258	1	317850 319350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (S)	259	1	317800 318400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (E)	259	1	318150 319000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (E)	264	1	318150 318950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NW (S)	272	1	317850 318400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW (NE)	274	1	317900 319350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NW (NW)	282	1	317250 319050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NW (SE)	291	1	317900 318400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NW (S)	306	1	317668 318350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (E)	309	1	318200 319000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (E)	309	1	318200 319050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NW (SW)	319	1	317200 318450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NW (SW)	320	1	317150 318500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NW (SW)	335	1	317100 318550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NW (SW)	335	1	317250 318400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NW (SE)	337	1	317900 318350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (S)	344	1	317600 318350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NW (SW)	353	1	317200 318400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	353	1	317850 319450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (S)	356	1	317750 318300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (S)	356	1	317668 318300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (E)	359	1	318250 319050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NW (SW)	360	1	317100 318500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (E)	362	1	318250 319100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NW (NW)	368	1	317200 319150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NW (SW)	380	1	317250 318350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (S)	383	1	317900 318300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NW (SE)	403	1	317950 318300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (E)	409	1	318300 319050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (S)	412	1	317550 318300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	416	1	317900 319500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (S)	420	1	317650 318250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (S)	452	1	317500 318250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NW (E)	461	1	318350 319100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SW (S)	478	1	317900 318200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A5NE (SW)	492	1	316950 318500
1	Discharge Consents Operator: Ms N Samuel Property Type: Domestic Property (Single) Location: Pentre, Llanfechian, Powys Authority: Natural Resources Wales Catchment Area: Severn Upper Reference: Wq/72/2919 Permit Version: 1 Effective Date: 26th March 1980 Issued Date: 26th March 1980 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Underground Strata Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	645	2	317310 319700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Ms N Samuel Property Type: Domestic Property (Single) Location: Pentre, Llanfechian, Powys Authority: Environment Agency, Midlands Region Catchment Area: Upper Severn Catchment (Above Montford) Reference: Wq/72/2919 Permit Version: 1 Effective Date: 26th March 1980 Issued Date: 26th March 1980 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Underground Strata Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A14NW (NW)	645	3	317310 319700
2	<p>Discharge Consents</p> <p>Operator: David Peters Property Type: Public Houses & Bars Location: Stumble Inn Stp, The Stumble Inn, Bwlch-Y-Cibau, Llanfyllin, Powys, Sy22 5ll Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: S/01/55817/T Permit Version: Not Supplied Effective Date: 14th April 2004 Issued Date: 14th April 2004 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: The Brogan Status: Effective Positional Accuracy: Located by supplier to within 10m</p>	A6SE (S)	762	2	317330 317940
2	<p>Discharge Consents</p> <p>Operator: David Peters Property Type: Public Houses & Bars Location: Stumble Inn Stp The Stumble Inn, Bwlch-Y-Cibau, Llanfyllin, Powys, Sy22 5ll Authority: Environment Agency, Midlands Region Catchment Area: Upper Severn Catchment (Above Montford) Reference: S/01/55817/T Permit Version: 1 Effective Date: 14th April 2004 Issued Date: 14th April 2004 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: The Brogan Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A6SE (S)	762	3	317330 317940
2	<p>Discharge Consents</p> <p>Operator: Mr A Potts Property Type: Public Houses & Bars Location: Stumble Inn Stp, The Stumble Inn, Bwlch-Y-Cibau, Llanfyllin, Powys, Sy22 5ll Authority: Natural Resources Wales Catchment Area: Severn Upper Reference: S/01/55633/T Permit Version: 1 Effective Date: 22nd July 2002 Issued Date: 22nd July 2002 Revocation Date: 13th April 2004 Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: The Brogan Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A6SE (S)	762	2	317330 317940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Mr A Potts Property Type: Public Houses & Bars Location: Stumble Inn Stp The Stumble Inn, Bwch-Y-Cibau, Llanfyllin, Powys, Sy22 5ll Authority: Environment Agency, Midlands Region Catchment Area: Upper Severn Catchment (Above Montford) Reference: S/01/55633/T Permit Version: 1 Effective Date: 22nd July 2002 Issued Date: 22nd July 2002 Revocation Date: 13th April 2004 Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: The Brogan Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A6SE (S)	762	3	317330 317940
	<p>Nearest Surface Water Feature</p>	A11SW (SE)	18	-	317915 318747
3	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Pigs Location: Location Description Not Available Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Pig Slurry Note: Wildlife Affected Incident Date: 31st August 1995 Incident Reference: 1500090 Catchment Area: Severn Catchment : Upper Severn (Above Montford) Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A16SW (E)	736	3	318600 319250
4	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Private Sewage (Non-PLC): Septic Tank Location: Location Description Not Available Authority: Environment Agency, Midlands Region Pollutant: Sewage - Septic Tank Effluent Note: Public Water Supply Effected Incident Date: 9th February 1997 Incident Reference: 2501502 Catchment Area: Severn Catchment : Tern And Roden Receiving Water: Watercourse Cause of Incident: Inadequate Construction Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (E)	816	3	318700 318600
5	<p>Water Abstractions</p> <p>Operator: Marchioness Linlithgow & Mr H J Ropner Licence Number: 18/54/01/0206 Permit Version: 101 Location: Bryngwyn Hall - Brogan Brook Authority: Natural Resources Wales Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bryngwyn Hall - Brogan Brook Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 1st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A6NE (S)	412	2	317500 318300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Water Abstractions</p> <p>Operator: Marchioness Linlithgow & Mr H J Ropner Licence Number: 18/54/01/0206 Permit Version: 101 Location: Bryngwyn Hall - Brogan Brook Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bryngwyn Hall - Brogan Brook Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 1st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A6NE (S)	412	3	317500 318300
5	<p>Water Abstractions</p> <p>Operator: Mrs G P V Sandbach & The Marchioness Of Linlithgow Licence Number: 18/54/01/0206 Permit Version: 100 Location: Bryngwyn Hall - Brogan Brook Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bryngwyn Hall - Brogan Brook Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 19th February 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A6NE (S)	412	3	317500 318300
5	<p>Water Abstractions</p> <p>Operator: The Marchioness Auriol Veronica Linlithgow & Mr Henry John William Ropner Licence Number: 18/54/01/0206 Permit Version: Not Supplied Location: Bryngwyn Hall - Brogan Brook Authority: Natural Resources Wales Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 113.65 Yearly Rate (m3): 454.6 Details: Not Supplied Authorised Start: 1 March Authorised End: 31 August Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A6NE (S)	412	2	317500 318300
6	<p>Water Abstractions</p> <p>Operator: Mr D I Jones Licence Number: 18/54/01/0439 Permit Version: 100 Location: Talwrn, Llanfyllin - Well B Authority: Environment Agency, Midlands Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Talwrn, Llanfyllin - 2 Wells Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st February 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SE (NW)	638	3	316940 319230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Water Abstractions</p> <p>Operator: Marchioness Linlithgow & Mr H J Ropner Licence Number: 18/54/01/0205 Permit Version: 101 Location: Bryngwyn Pool Authority: Natural Resources Wales Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bryngwyn Hall - Bryngwyn Pool Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 1st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7SW (S)	757	2	317800 317900
7	<p>Water Abstractions</p> <p>Operator: Marchioness Linlithgow & Mr H J Ropner Licence Number: 18/54/01/0205 Permit Version: 101 Location: Bryngwyn Pool Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bryngwyn Hall - Bryngwyn Pool Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 1st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7SW (S)	757	3	317800 317900
7	<p>Water Abstractions</p> <p>Operator: Mrs G P V Sandbach & The Marchioness Of Linlithgow Licence Number: 18/54/01/0205 Permit Version: 100 Location: Bryngwyn Pool Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bryngwyn Hall - Bryngwyn Pool Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 19th February 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7SW (S)	757	3	317800 317900
7	<p>Water Abstractions</p> <p>Operator: The Marchioness Auriol Veronica Linlithgow & Mr Henry John William Ropner Licence Number: 18/54/01/0205 Permit Version: Not Supplied Location: Bryngwyn Hall - Bryngwyn Pool Authority: Natural Resources Wales Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 181.84 Yearly Rate (m3): 454.6 Details: Not Supplied Authorised Start: 1 March Authorised End: 31 August Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7SW (S)	757	2	317800 317900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Water Abstractions</p> <p>Operator: Marchioness Linlithgow & Mr H J Ropner Licence Number: 18/54/01/0205 Permit Version: 101 Location: Bryngwyn Hall Authority: Natural Resources Wales Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bryngwyn Hall - Bryngwyn Pool Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 1st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A3NW (S)	857	2	317800 317800
8	<p>Water Abstractions</p> <p>Operator: Marchioness Linlithgow & Mr H J Ropner Licence Number: 18/54/01/0205 Permit Version: 101 Location: Bryngwyn Hall Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bryngwyn Hall - Bryngwyn Pool Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 1st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A3NW (S)	857	3	317800 317800
8	<p>Water Abstractions</p> <p>Operator: Mrs G P V Sandbach & The Marchioness Of Linlithgow Licence Number: 18/54/01/0205 Permit Version: 100 Location: Bryngwyn Hall Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bryngwyn Hall - Bryngwyn Pool Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 19th February 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3NW (S)	857	3	317800 317800
	<p>Water Abstractions</p> <p>Operator: Mr D I Jones Licence Number: 18/54/01/0439 Permit Version: 100 Location: Talwrn, Llanfyllin - Well A Authority: Environment Agency, Midlands Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Talwrn, Llanfyllin - 2 Wells Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st February 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SW (W)	1205	3	316360 319320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Low</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: 300-550 mm/year</p> <p>Baseflow Index: <40%</p> <p>Superficial: >90%</p> <p>Patchiness: Superficial <3m</p> <p>Thickness: Superficial Low</p> <p>Recharge: Superficial Low</p>	A11SW (SE)	0	2	317668 318871
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Low</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: 300-550 mm/year</p> <p>Baseflow Index: <40%</p> <p>Superficial: >90%</p> <p>Patchiness: Superficial <3m</p> <p>Thickness: Superficial Low</p> <p>Recharge: Superficial Low</p>	A11SW (SE)	0	2	317780 318691
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: 300-550 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial: <90%</p> <p>Patchiness: Superficial <3m</p> <p>Thickness: Superficial High</p> <p>Recharge: Superficial High</p>	A11NW (NE)	0	2	317748 319000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Low</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: 300-550 mm/year</p> <p>Baseflow Index: <40%</p> <p>Superficial: >90%</p> <p>Patchiness: Superficial <3m</p> <p>Thickness: Superficial Low</p> <p>Recharge: Superficial Low</p>	A10NE (NW)	0	2	317648 318901

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Secondary Bedrock Aquifer - High Vulnerability Classification: High Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial: <90% Patchiness: <3m Superficial Thickness: High Superficial Recharge: High	A11NW (N)	0	2	317668 319000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A11SW (SE)	0	2	317668 318871
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11SW (SE)	0	2	317780 318691
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A10NE (NW)	0	2	317648 318901
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11SW (SE)	0	2	317668 318871
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11SW (SE)	0	2	317775 318665
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10NE (NW)	0	2	317590 318985
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10NE (N)	0	2	317615 319040
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11SW (S)	5	2	317720 318640
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 307.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A11SW (SE)	18	4	317915 318747
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A11SW (SE)	29	4	317790 318639

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 60.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A11SW (SE)	43	4	317825 318640
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 820.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 1	A11SW (S)	71	4	317700 318578
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1137.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A10NE (N)	81	4	317540 319183
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A11SW (SE)	91	4	317879 318622
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 588.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A10NE (W)	133	4	317368 318948
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 182.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A10NE (NW)	137	4	317445 319134
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 358.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 1	A11SW (SE)	141	4	317940 318608
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 372.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A11SW (SE)	143	4	317940 318608
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7NW (S)	182	4	317714 318479

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A10SW (W)	307	4	317106 318789
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A10SW (W)	307	4	317104 318827
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1008.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 1	A11SE (E)	308	4	318207 318743
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 1	A11SE (E)	308	4	318207 318743
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 2	A10SW (W)	310	4	317121 318840
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A11SE (E)	311	4	318205 318695
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A10SW (W)	323	4	317108 318841
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A10SW (W)	332	4	317072 318745
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 717.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A10SW (W)	338	4	317102 318860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A11SE (E)	339	4	318227 318666
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 274.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A10SW (W)	339	4	317062 318729
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A11SE (E)	344	4	318230 318661
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 2	A11SE (SE)	405	4	318272 318598
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A11SE (SE)	405	4	318272 318598
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A11SE (SE)	434	4	318305 318600
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 198.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NE (N)	452	4	317531 319568
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7NE (SE)	455	4	318012 318272
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7NE (SE)	455	4	318012 318272

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bryngwyn Pool Catchment Name: Severn Primacy: 1	A7NE (SE)	489	4	318036 318246
39	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 125.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bryngwyn Pool Catchment Name: Severn Primacy: 1	A7NE (SE)	497	4	318045 318242
40	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7NE (SE)	497	4	318045 318242
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7NE (SE)	504	4	318054 318240
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7NE (SE)	506	4	318062 318242
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 265.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7NE (SE)	506	4	318064 318243
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7NE (SE)	507	4	318317 318468
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	517	4	318392 318599
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SE (S)	520	4	317438 318181

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 1	A6SE (S)	520	4	317438 318181
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	525	4	318400 318597
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SE (S)	526	4	317395 318173
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SE (S)	526	4	317398 318174
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	536	4	318405 318578
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 285.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	536	4	318405 318578
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (SE)	541	4	318406 318566
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7SW (SE)	560	4	317978 318141
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A9SE (W)	572	4	316832 318627

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NE (N)	586	4	317354 319656
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A15NW (N)	590	4	317811 319702
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 2	A15NW (N)	597	4	317787 319713
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A15NW (N)	597	4	317787 319713
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 192.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A9SE (W)	604	4	316805 318598
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 315.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SE (S)	654	4	317424 318046
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 425.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 1	A6SE (S)	654	4	317424 318046
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A15NW (N)	665	4	317728 319787
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A15NW (N)	670	4	317769 319788

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A15NW (N)	671	4	317773 319789
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A15NE (NE)	671	4	318172 319663
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	678	4	318578 318761
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A15NW (N)	679	4	317793 319795
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NE (N)	684	4	317616 319806
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 260.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NE (N)	684	4	317616 319806
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7SE (SE)	691	4	318244 318144
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 2	A7SE (SE)	691	4	318244 318144
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SW (SW)	695	4	317269 318017

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 2	A15NW (N)	695	4	317831 319806
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7SE (SE)	703	4	318102 318039
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 202.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	706	4	318603 318697
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SW (SW)	706	4	317248 318009
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SW (SW)	707	4	317251 318009
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7SE (SE)	710	4	318273 318144
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	711	4	318610 318778
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	711	4	318610 318778
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	722	4	318621 318757

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A15NW (N)	722	4	317800 319838
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 373.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A15NW (N)	723	4	317813 319836
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 287.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7SE (SE)	724	4	318199 318071
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (NW)	734	4	317274 319782
87	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7SE (SE)	736	4	318308 318141
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7SE (SE)	736	4	318155 318030
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	737	4	318636 318792
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (N)	737	4	317293 319794
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (N)	737	4	317293 319794

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NE (N)	738	4	317368 319823
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (NW)	741	4	317214 319758
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (NW)	741	4	317214 319758
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (E)	742	4	318640 318793
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 248.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A7SW (S)	751	4	317683 317909
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (NW)	758	4	317141 319731
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (NW)	758	4	317141 319731
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (NW)	759	4	316999 319615
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13NE (NW)	772	4	316972 319590

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (NW)	772	4	316995 319612
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A5NE (W)	780	4	316648 318493
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A5NW (W)	810	4	316617 318493
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (NW)	816	4	317065 319744
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SE (NW)	818	4	316873 319512
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SE (NW)	819	4	316869 319509
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 302.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A14NW (NW)	823	4	317054 319744
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (E)	842	4	318734 318863
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (E)	842	4	318734 318863

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A15NE (NE)	843	4	318262 319810
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 213.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (E)	844	4	318736 318864
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (E)	844	4	318736 318864
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A9NW (W)	845	4	316584 318918
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 805.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A9NW (W)	845	4	316584 318918
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SW (SW)	846	4	317069 317917
116	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SE (NW)	857	4	316785 319423
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SE (NW)	857	4	316786 319425
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SE (NW)	857	4	316794 319443

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SE (NW)	858	4	316787 319431
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SE (NW)	859	4	316782 319422
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A8SW (SE)	862	4	318395 318049
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A8SW (SE)	867	4	318397 318043
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A15NE (NE)	867	4	318233 319853
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A2NE (S)	875	4	317455 317825
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SW (SW)	875	4	317038 317902
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SW (SW)	875	4	317035 317904
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A2NE (S)	876	4	317456 317825

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 247.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A9NW (W)	876	4	316564 318961
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 1	A2NW (SW)	876	4	317195 317848
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 2	A2NW (SW)	876	4	317195 317848
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SW (SW)	876	4	317032 317905
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SW (SW)	878	4	317026 317904
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A6SW (SW)	879	4	317023 317905
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A15NE (NE)	879	4	318233 319866
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 1	A2NW (SW)	884	4	317194 317840
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A2NW (SW)	892	4	317109 317856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A2NW (SW)	894	4	317111 317853
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (E)	904	4	318793 318892
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (E)	907	4	318804 318690
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (E)	910	4	318798 318894
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 1	A2NW (SW)	910	4	317174 317818
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A5NW (W)	911	4	316511 318498
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (E)	913	4	318809 318682
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A5NW (W)	914	4	316511 318486
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A2NE (S)	921	4	317504 317770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 367.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A18SE (N)	924	4	317331 320006
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A2NE (S)	925	4	317505 317766
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A19SW (N)	927	4	317884 320031
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cain Catchment Name: Severn Primacy: 1	A19SW (N)	927	4	317884 320031
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A5SE (SW)	935	4	316920 317896
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A5SE (SW)	938	4	316916 317895
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A19SE (N)	951	4	318088 320001
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 131.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A19SE (N)	953	4	318083 320005
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A2NW (SW)	954	4	317036 317818

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A2NW (SW)	958	4	317037 317812
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A19SW (N)	967	4	317849 320078
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 140.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A19SW (N)	972	4	317774 320091
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 267.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Brogan Catchment Name: Severn Primacy: 1	A2NW (SW)	976	4	317063 317783
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A3NW (S)	978	4	317705 317679
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13NE (NW)	984	4	316780 319678
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A3NW (S)	985	4	317716 317671
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 188.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A2NE (S)	986	4	317520 317699
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A3NW (S)	988	4	317718 317669

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (E)	990	4	318876 318949
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 145.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13NE (NW)	991	4	316771 319679
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13NE (NW)	991	4	316773 319680
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13NE (NW)	992	4	316773 319681
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A19SW (N)	1000	4	317721 320123
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Afon Cain - conf Nant Fyllon to conf The Brogan WaterBody ID: GB109054049820 Operational: Cain Catchment: Severn Uplands Management: Severn Uplands Catchment: Severn Uplands Catchment Name: Not Supplied	A11SW (SE)	0	2	317668 318871
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: The Brogan - source to conf Afon Cain WaterBody ID: GB109054049780 Operational: Cain Catchment: Severn Uplands Management: Severn Uplands Catchment: Severn Uplands Catchment Name: Not Supplied	A11SW (SE)	0	2	317710 318810
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Afon Vyrnwy DS of Banwy confluence WaterBody ID: GB109054049852 Operational: Cain Catchment: Severn Uplands Management: Severn Uplands Catchment: Severn Uplands Catchment Name: Not Supplied	A8NE (SE)	952	2	318740 318310
	Water Framework Directive - Groundwater Waterbody Name: Severn Uplands - Lower Palaeozoic Waterbody ID: GB40902G205300 URL Address: Not Available Overall Rating: Poor Chemical Rating: Poor Quantitative: Good Measure: 2023	A11SW (SE)	0	2	317668 318871

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	Water Framework Directive - Surface Waters Class Code: River Waterbody Name: The Brogan - source to conf Afon Cain Waterbody ID: GB109054049780 URL Address: Not Supplied Overall Rating: Moderate Chemical Rating: High Classification Year: 2023	A11SW (S)	71	2	317694 318577
170	Water Framework Directive - Surface Waters Class Code: River Waterbody Name: Afon Cain - conf Nant Fyllon to conf The Brogan Waterbody ID: GB109054049820 URL Address: Not Supplied Overall Rating: Good Chemical Rating: High Classification Year: 2023	A10NE (W)	78	2	317377 318961

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Powys County Council - Has supplied landfill data		0	5	317668 318871
171	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A15SW (N)	235	-	317785 319346
172	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A10NW (W)	248	-	317266 319002
173	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A10NW (NW)	461	-	317093 319136
174	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A6SW (SW)	642	-	317188 318093

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Caradoc Rocks (Undifferentiated)	A11SW (SE)	0	1	317668 318871
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (SE)	0	1	317668 318871
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (E)	109	1	318000 319000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NW (NW)	320	1	317231 319102
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NW)	684	1	317187 319674
175	BGS Recorded Mineral Sites Site Name: Glan-Frogan Woods Location: Bwlch-Y-Cibau, Llanfechain, Oswestry, Powys Source: British Geological Survey, National Geoscience Information Service Reference: 112690 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Ordovician Geology: Allt-Tair-Ffynnon Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NW (SE)	764	1	318564 318379
176	BGS Recorded Mineral Sites Site Name: Pen-Y-Parc Cottage Location: Llanfechain, Oswestry, Powys Source: British Geological Survey, National Geoscience Information Service Reference: 112671 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Ordovician Geology: Allt-Tair-Ffynnon Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NE (NW)	935	1	316944 319795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	BGS Recorded Mineral Sites Site Name: Bryngwyn Wood Location: Bwlch-Y-Cibau, Llanfechain, Oswestry, Powys Source: British Geological Survey, National Geoscience Information Service Reference: 112679 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Ordovician Geology: Allt-Tair-Ffynnon Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A3NE (S)	967	1	318115 317757
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317668 318871
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317780 318691
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	317648 318901
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	317612 318932
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317668 318871
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	176	1	317384 319108
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	317612 318932
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317668 318871
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	317648 318901
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317780 318691
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	176	1	317384 319108
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317668 318871
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317813 318809
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317668 318871
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	317648 318901

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317780 318691
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317668 318871
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	317612 318932
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	176	1	317384 319108
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317668 318871
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11SW (N)	0	1	317668 318875
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317800 318750
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317668 318871
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11SW (N)	0	1	317668 318875
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317800 318750
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	317668 318871

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
178	Points of Interest - Manufacturing and Production Name: D G & J S Thomas Location: Pen y Parc Mawr, Llanfechain, SY22 6XB Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13SE (NW)	751	6	316899 319416
179	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SY22 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8NW (SE)	760	6	318553 318368
179	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SY22 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8NW (SE)	762	6	318554 318366
180	Points of Interest - Manufacturing and Production Name: Workings (Dis) Location: SY22 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8NE (E)	860	6	318719 318496
181	Points of Interest - Manufacturing and Production Name: Owen Gwynne Location: Llanfechain, SY22 6UY Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A12NE (E)	921	6	318806 318949
182	Points of Interest - Manufacturing and Production Name: Sheep Dip Location: SY22 Category: Farming Class Code: Sheep Dips and Washes Positional Accuracy: Positioned to an adjacent address or location	A16SE (E)	923	6	318782 319295
183	Points of Interest - Manufacturing and Production Name: Tank Location: SY22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (W)	937	6	316525 319035
184	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SY22 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A3NE (S)	964	6	318101 317755
184	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: SY22 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A3NE (S)	973	6	318120 317753
185	Points of Interest - Public Infrastructure Name: Slurry Bed Location: SY22 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A10NW (NW)	446	6	317098 319110
185	Points of Interest - Public Infrastructure Name: Slurry Bed Location: SY22 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A10NW (W)	515	6	317023 319112
186	Points of Interest - Public Infrastructure Name: CRS Pontllanfraith Location: Newbridge Road Co-Op Retail, Pontllanfraith, Blackwood, Gwent, NP12 2AN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SE (E)	827	6	318726 318726

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	Ancient Woodland Name: Not Supplied Reference: 46380 Area(m ²): 6305.54 Type: Plantation on Ancient Woodland	A7NW (S)	206	2	317827 318462
188	Ancient Woodland Name: Not Supplied Reference: 34694 Area(m ²): 14734.26 Type: Restored Ancient Woodland Site	A7NW (S)	217	2	317735 318437
189	Ancient Woodland Name: Not Supplied Reference: 34692 Area(m ²): 7894.98 Type: Restored Ancient Woodland Site	A7NE (SE)	383	2	318031 318368
190	Ancient Woodland Name: Not Supplied Reference: 35002 Area(m ²): 6150.94 Type: Restored Ancient Woodland Site	A7NW (S)	407	2	317836 318257
191	Ancient Woodland Name: Not Supplied Reference: 34094 Area(m ²): 6401.64 Type: Ancient and Semi-Natural Woodland	A10SW (W)	432	2	317007 318878
192	Ancient Woodland Name: Not Supplied Reference: 44067 Area(m ²): 2961.89 Type: Plantation on Ancient Woodland	A6SE (S)	480	2	317504 318207
193	Ancient Woodland Name: Not Supplied Reference: 28508 Area(m ²): 30.5 Type: Restored Ancient Woodland Site	A6NE (S)	494	2	317509 318218
194	Ancient Woodland Name: Not Supplied Reference: 35000 Area(m ²): 9369.48 Type: Restored Ancient Woodland Site	A7SW (S)	497	2	317750 318159
195	Ancient Woodland Name: Not Supplied Reference: 44729 Area(m ²): 13043.05 Type: Plantation on Ancient Woodland	A6SE (S)	503	2	317509 318207
196	Ancient Woodland Name: Not Supplied Reference: 34096 Area(m ²): 5111.94 Type: Ancient and Semi-Natural Woodland	A14SW (NW)	516	2	317084 319254
197	Ancient Woodland Name: Not Supplied Reference: 46441 Area(m ²): 4204.2 Type: Plantation on Ancient Woodland	A6SE (S)	524	2	317437 318176
198	Ancient Woodland Name: Not Supplied Reference: 46381 Area(m ²): 3148.07 Type: Plantation on Ancient Woodland	A12SW (E)	541	2	318407 318569
199	Ancient Woodland Name: Not Supplied Reference: 44639 Area(m ²): 3376.15 Type: Plantation on Ancient Woodland	A8NW (SE)	557	2	318416 318548
200	Ancient Woodland Name: Not Supplied Reference: 36299 Area(m ²): 3536.88 Type: Restored Ancient Woodland Site	A6SW (SW)	579	2	317133 318186

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
201	Ancient Woodland Name: Not Supplied Reference: 36301 Area(m ²): 9337.23 Type: Restored Ancient Woodland Site	A6NW (SW)	594	2	316981 318278
202	Ancient Woodland Name: Not Supplied Reference: 36300 Area(m ²): 1272.47 Type: Restored Ancient Woodland Site	A6SW (SW)	632	2	317010 318201
203	Ancient Woodland Name: Not Supplied Reference: 34699 Area(m ²): 5869.57 Type: Restored Ancient Woodland Site	A16SW (NE)	650	2	318384 319475
204	Ancient Woodland Name: Not Supplied Reference: 31626 Area(m ²): 5980.58 Type: Ancient and Semi-Natural Woodland	A15NW (N)	657	2	317838 319765
205	Ancient Woodland Name: Not Supplied Reference: 49801 Area(m ²): 1738.94 Type: Ancient Woodland Site of Unknown Category	A5SE (SW)	671	2	316959 318193
206	Ancient Woodland Name: Not Supplied Reference: 28288 Area(m ²): 2602.23 Type: Restored Ancient Woodland Site	A8NW (SE)	674	2	318517 318488
207	Ancient Woodland Name: Not Supplied Reference: 34695 Area(m ²): 561.81 Type: Restored Ancient Woodland Site	A8NW (SE)	678	2	318526 318495
208	Ancient Woodland Name: Not Supplied Reference: 34999 Area(m ²): 3519.22 Type: Restored Ancient Woodland Site	A7SW (S)	689	2	317787 317968
209	Ancient Woodland Name: Not Supplied Reference: 36300 Area(m ²): 17606.33 Type: Restored Ancient Woodland Site	A6SW (SW)	691	2	317064 318088
210	Ancient Woodland Name: Not Supplied Reference: 34701 Area(m ²): 5457.28 Type: Restored Ancient Woodland Site	A14NE (N)	695	2	317449 319800
211	Ancient Woodland Name: Not Supplied Reference: 32043 Area(m ²): 6400.34 Type: Ancient and Semi-Natural Woodland	A6SE (S)	710	2	317332 317993
212	Ancient Woodland Name: Not Supplied Reference: 28508 Area(m ²): 4692.92 Type: Restored Ancient Woodland Site	A6SE (S)	719	2	317406 317981
213	Ancient Woodland Name: Not Supplied Reference: 49719 Area(m ²): 6725.1 Type: Ancient Woodland Site of Unknown Category	A7SE (SE)	725	2	318198 318068
214	Ancient Woodland Name: Not Supplied Reference: 44041 Area(m ²): 38240.94 Type: Plantation on Ancient Woodland	A8NW (SE)	734	2	318451 318272

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
215	Ancient Woodland Name: Not Supplied Reference: 31622 Area(m ²): 4046.49 Type: Ancient and Semi-Natural Woodland	A16SW (NE)	734	2	318463 319511
216	Ancient Woodland Name: Not Supplied Reference: 26499 Area(m ²): 6193.76 Type: Ancient and Semi-Natural Woodland	A8NW (SE)	736	2	318496 318325
217	Ancient Woodland Name: Not Supplied Reference: 44640 Area(m ²): 3658.12 Type: Plantation on Ancient Woodland	A8NW (SE)	754	2	318562 318398
218	Ancient Woodland Name: Not Supplied Reference: 26499 Area(m ²): 56112.1 Type: Ancient and Semi-Natural Woodland	A8NW (SE)	756	2	318435 318222
219	Ancient Woodland Name: Not Supplied Reference: 35001 Area(m ²): 815.54 Type: Restored Ancient Woodland Site	A6SE (S)	760	2	317373 317940
220	Ancient Woodland Name: Not Supplied Reference: 49801 Area(m ²): 4408.75 Type: Ancient Woodland Site of Unknown Category	A5SE (SW)	777	2	316928 318082
221	Ancient Woodland Name: Not Supplied Reference: 46513 Area(m ²): 16083.68 Type: Plantation on Ancient Woodland	A7SE (SE)	782	2	318162 317981
222	Ancient Woodland Name: Not Supplied Reference: 28289 Area(m ²): 14790.21 Type: Restored Ancient Woodland Site	A8NW (SE)	799	2	318606 318384
223	Ancient Woodland Name: Not Supplied Reference: 46378 Area(m ²): 1046.59 Type: Plantation on Ancient Woodland	A8SW (SE)	843	2	318338 318024
224	Ancient Woodland Name: Not Supplied Reference: 28507 Area(m ²): 22230.01 Type: Restored Ancient Woodland Site	A2NE (S)	844	2	317431 317854
225	Ancient Woodland Name: Not Supplied Reference: 44793 Area(m ²): 63444.54 Type: Plantation on Ancient Woodland	A8SW (SE)	846	2	318341 318023
226	Ancient Woodland Name: Not Supplied Reference: 34998 Area(m ²): 1213.68 Type: Restored Ancient Woodland Site	A2NE (S)	847	2	317387 317852
227	Ancient Woodland Name: Not Supplied Reference: 49801 Area(m ²): 2170.17 Type: Ancient Woodland Site of Unknown Category	A5SE (SW)	856	2	316954 317969
228	Ancient Woodland Name: Not Supplied Reference: 45788 Area(m ²): 3295.52 Type: Plantation on Ancient Woodland	A3NW (S)	875	2	317872 317788

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
229	Ancient Woodland Name: Not Supplied Reference: 28634 Area(m ²): 19969.99 Type: Restored Ancient Woodland Site	A8SW (SE)	917	2	318375 317959
230	Ancient Woodland Name: Not Supplied Reference: 46867 Area(m ²): 12424.81 Type: Plantation on Ancient Woodland	A5SE (SW)	924	2	316747 318046
231	Ancient Woodland Name: Not Supplied Reference: 44641 Area(m ²): 16528.85 Type: Plantation on Ancient Woodland	A12SE (E)	945	2	318829 318584
232	Ancient Woodland Name: Not Supplied Reference: 36309 Area(m ²): 14081.61 Type: Restored Ancient Woodland Site	A13NE (NW)	950	2	316915 319789
233	Ancient Woodland Name: Not Supplied Reference: 49269 Area(m ²): 33254.07 Type: Ancient Woodland Site of Unknown Category	A8SW (SE)	975	2	318422 317923
234	Ancient Woodland Name: Not Supplied Reference: 34997 Area(m ²): 1072.5 Type: Restored Ancient Woodland Site	A3NE (S)	994	2	318009 317694
235	Ancient Woodland Name: Not Supplied Reference: 28634 Area(m ²): 106920.71 Type: Restored Ancient Woodland Site	A3NE (S)	998	2	318011 317691
236	Sites of Special Scientific Interest Name: Bryngwyn Hall Stables And Coach House Multiple Areas: N Total Area (m2): 844.19 Source: Natural Resources Wales Reference: 116232wk1 Designation Details: Biological Designation Date: 15th March 1991 Date Type: Notified	A7SW (S)	474	2	317797 318183
237	Special Areas of Conservation Name: Tanat And Vyrnwy Bat Sites / Safleoedd Ystlumod Tanat Ac Efyrmwy Multiple Areas: Y Total Area (m2): 117258.33 Source: Natural Resources Wales Reference: Uk0014783 Status: Designated	A7SW (S)	475	2	317796 318182

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Natural Resources Wales Powys County Council - Public Protection Department	November 2023 October 2017	Annually Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region Natural Resources Wales	July 2025 September 2025	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	
Integrated Pollution Controls Environment Agency - Welsh Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	July 2024 September 2025	Bi-Annually Quarterly
Local Authority Integrated Pollution Prevention And Control Powys County Council - Public Protection Department	May 2014	Variable
Local Authority Pollution Prevention and Controls Powys County Council - Public Protection Department	May 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Powys County Council - Public Protection Department	May 2014	Variable
Nearest Surface Water Feature Ordnance Survey	August 2025	
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	
Historical Prosecutions Environment Agency, Welsh Region Natural Resources Wales	March 2013 March 2013	Not Applicable Not Applicable
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	
Substantiated Pollution Incident Register Environment Agency Wales - North Area Natural Resources Wales	January 2021 September 2025	Quarterly Quarterly
Water Abstractions Environment Agency - Midlands Region Natural Resources Wales	July 2025 September 2025	Quarterly Quarterly
Water Industry Act Referrals Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2022	
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	As notified
Superficial Aquifer Designations Natural Resources Wales	January 2018	As notified
Source Protection Zones Natural Resources Wales	July 2022	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	


Agency & Hydrological	Version	Update Cycle
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	June 2025	Quarterly
Flood Defences Natural Resources Wales	November 2019	
OS Water Network Lines Ordnance Survey	July 2025	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water Suitability Natural Resources Wales	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Natural Resources Wales	July 2025	Annually
Water Framework Directive - Groundwater Natural Resources Wales	July 2025	Annually
Water Framework Directive - Surface Waters Natural Resources Wales	November 2024	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Natural Resources Wales	March 2023	
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Natural Resources Wales Environment Agency Wales - North Area	August 2024 January 2023	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency Wales - North Area Natural Resources Wales	July 2024 September 2025	Bi-Annually Quarterly
Local Authority Landfill Coverage Powys County Council	February 2003	Not Applicable
Local Authority Recorded Landfill Sites Powys County Council	October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency Wales - North Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - North Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency Wales - North Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	June 2025	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Powys County Council - Planning Department	May 2023	Variable
Planning Hazardous Substance Consents Powys County Council - Planning Department	February 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	June 2025	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	August 2025	Quarterly
Points of Interest - Commercial Services PointX	September 2025	Quarterly
Points of Interest - Education and Health PointX	September 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2025	Quarterly
Points of Interest - Public Infrastructure PointX	September 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

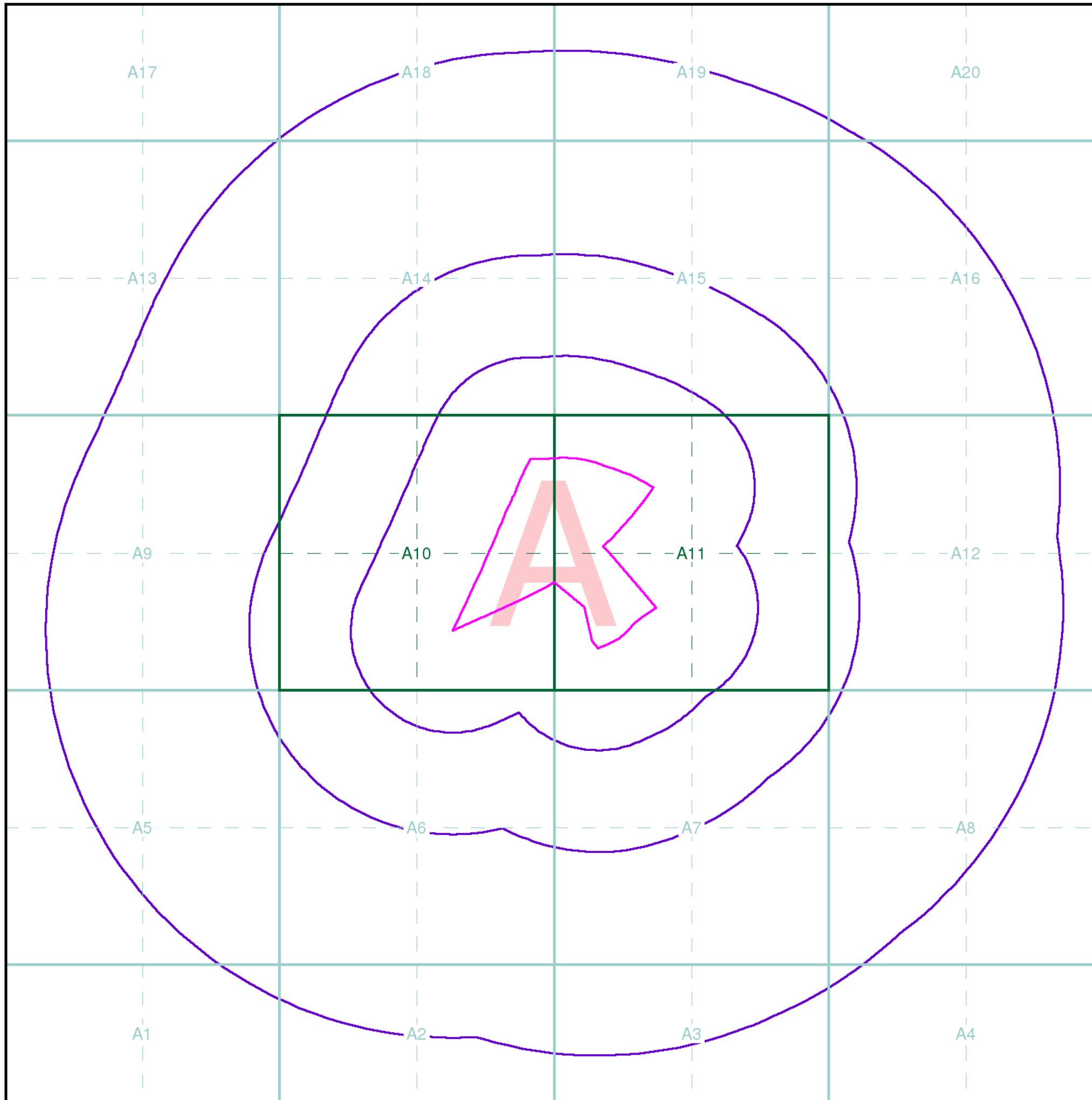
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	September 2025	Bi-Annually
Areas of Adopted Green Belt Powys County Council	July 2025	Quarterly
Areas of Unadopted Green Belt Powys County Council	July 2025	Quarterly
Areas of Outstanding Natural Beauty Natural Resources Wales	May 2025	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Powys County Council	August 2025	Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2025	Bi-Annually
National Nature Reserves Natural Resources Wales	July 2025	Bi-Annually
National Parks Natural Resources Wales	October 2025	Annually
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 November 2024	Annually
Ramsar Sites Natural Resources Wales	August 2025	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	May 2025	Bi-Annually
Special Areas of Conservation Natural Resources Wales	July 2025	Bi-Annually
Special Protection Areas Natural Resources Wales	May 2025	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
5	Powys County Council County Hall, Llandrindod Wells, Powys, LD1 5LG	Telephone: 01597 826000 Fax: 01597 826230 Website: www.powys.gov.uk
6	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr M Swindells, Geo2 Remediation Ltd, Coniston House, Louisa Street, Bradford, West Yorkshire, BD10 8NE

Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317680, 318910
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

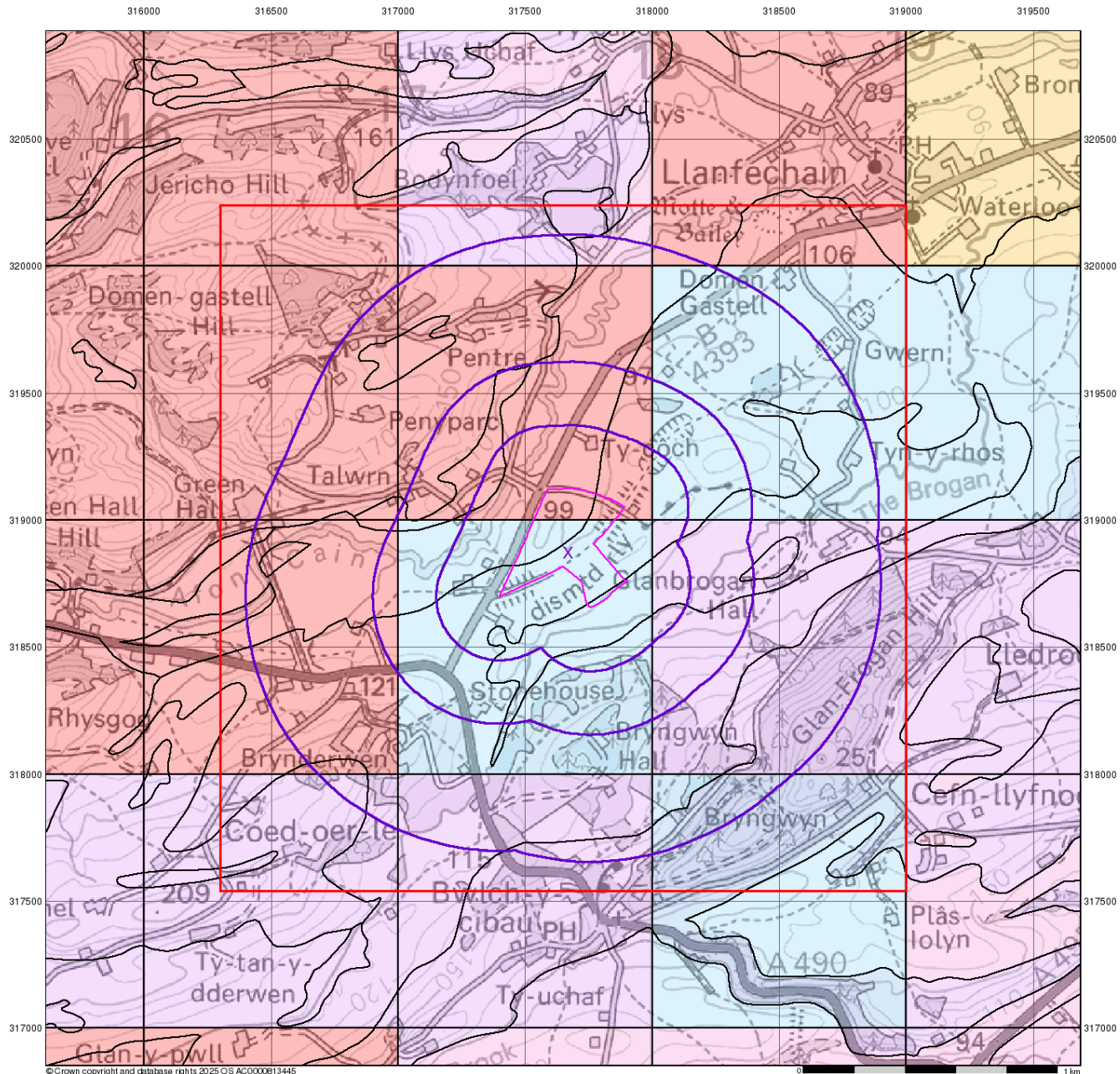
Site Details

Site at 317650, 318980

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



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Groundwater Vulnerability

General

- ◆ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Bedrock Aquifers

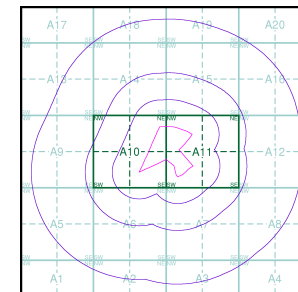
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

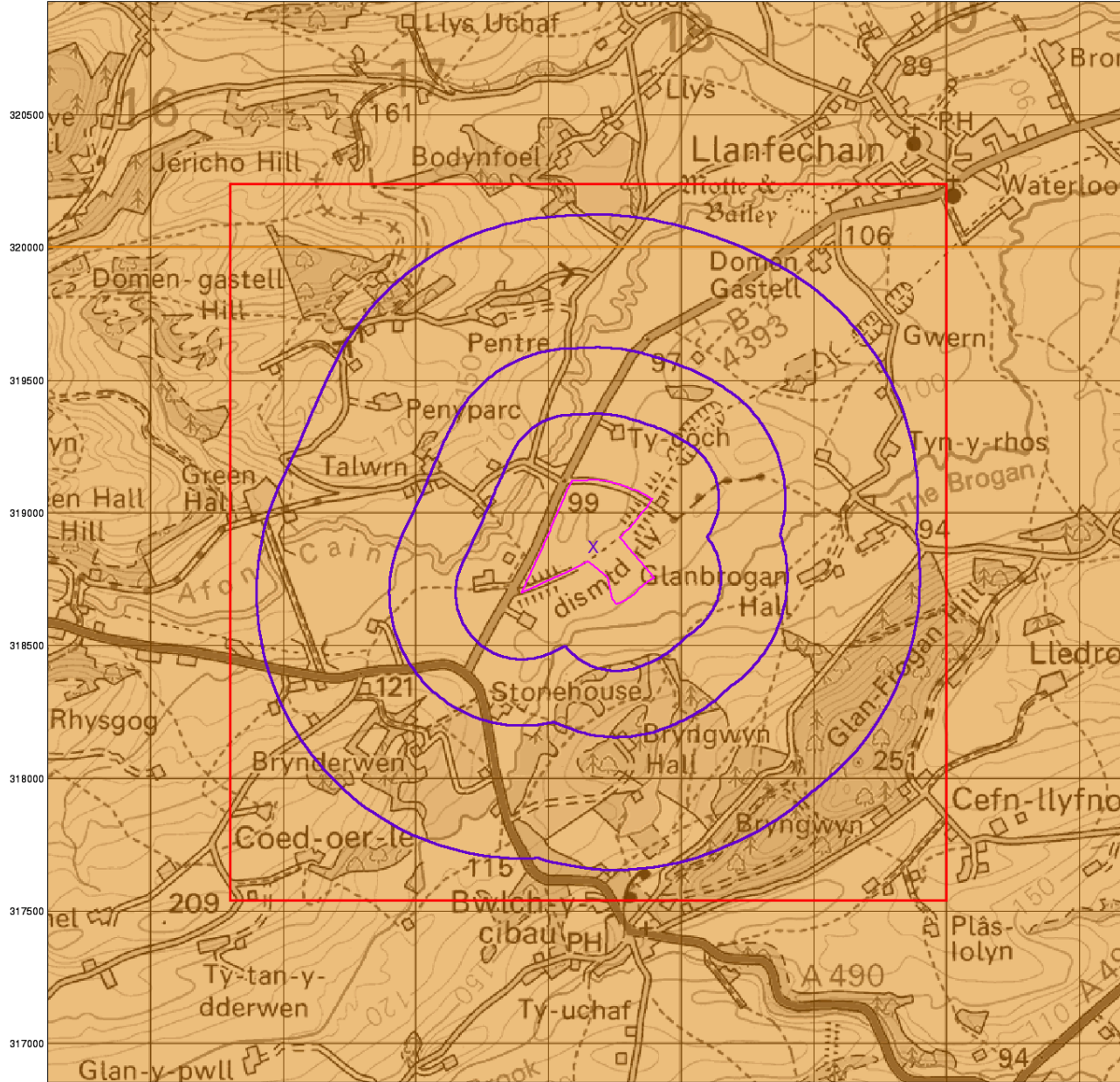
Site Details

Site at 317650, 318980



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316000 316500 317000 317500 318000 318500 319000 319500



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0 1 km



Bedrock Aquifer Designation

General

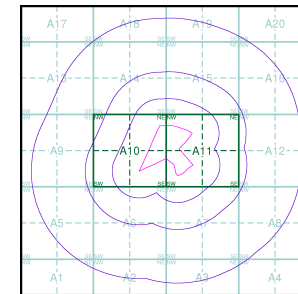
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

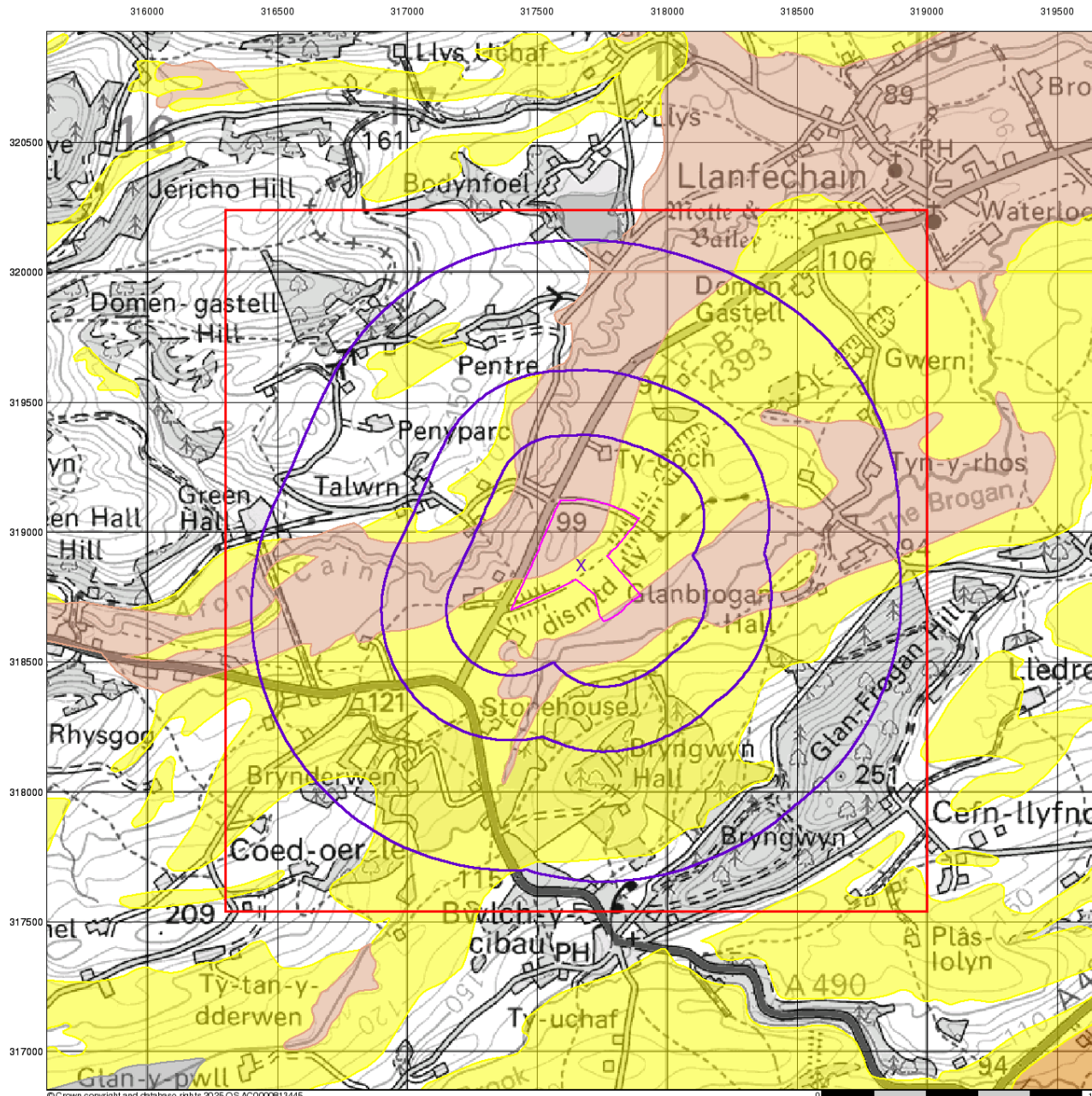
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

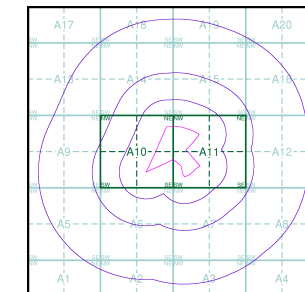
- ◊ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

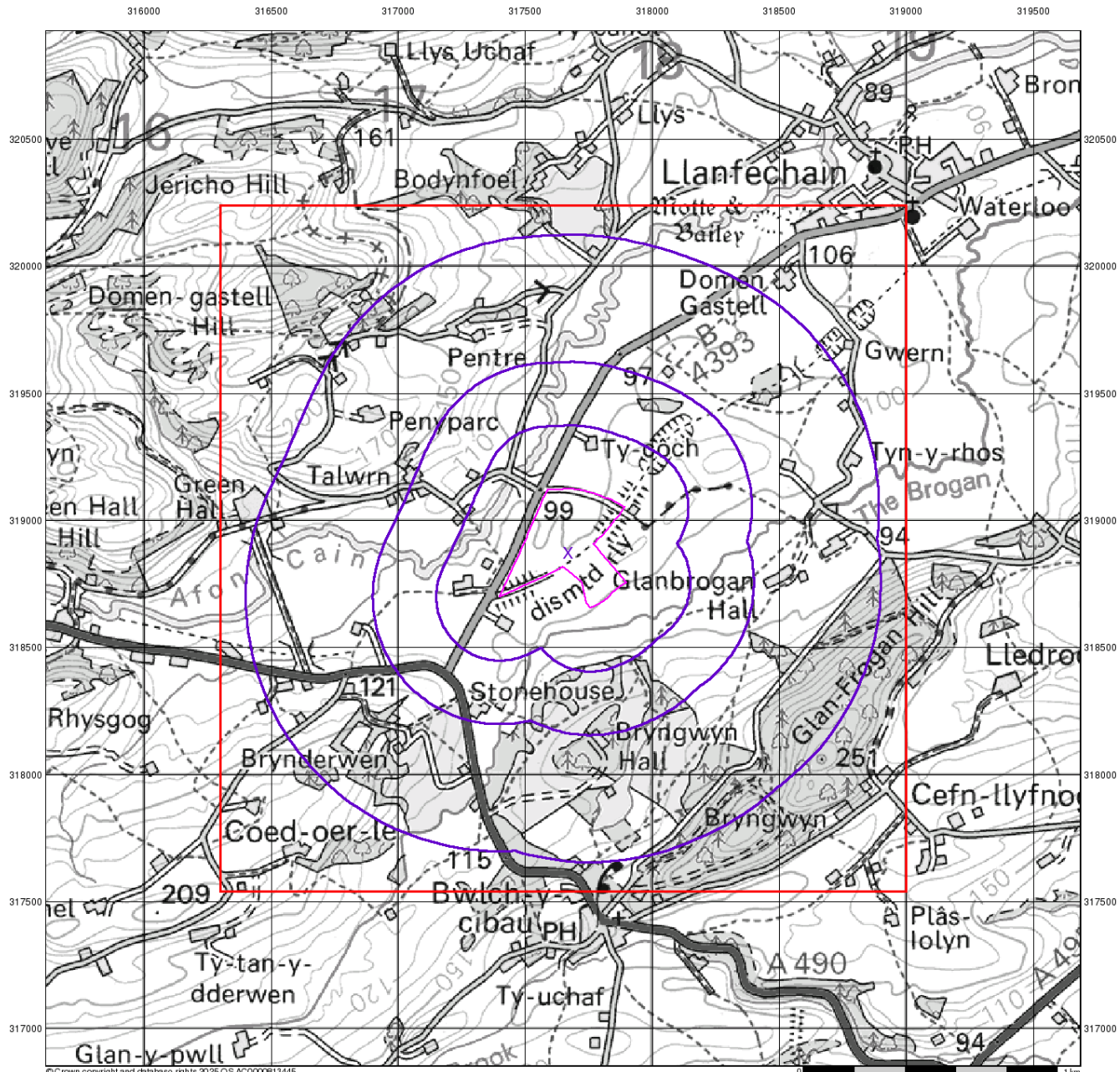
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 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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Source Protection Zones

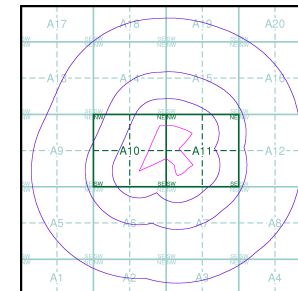
General

- ◆ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

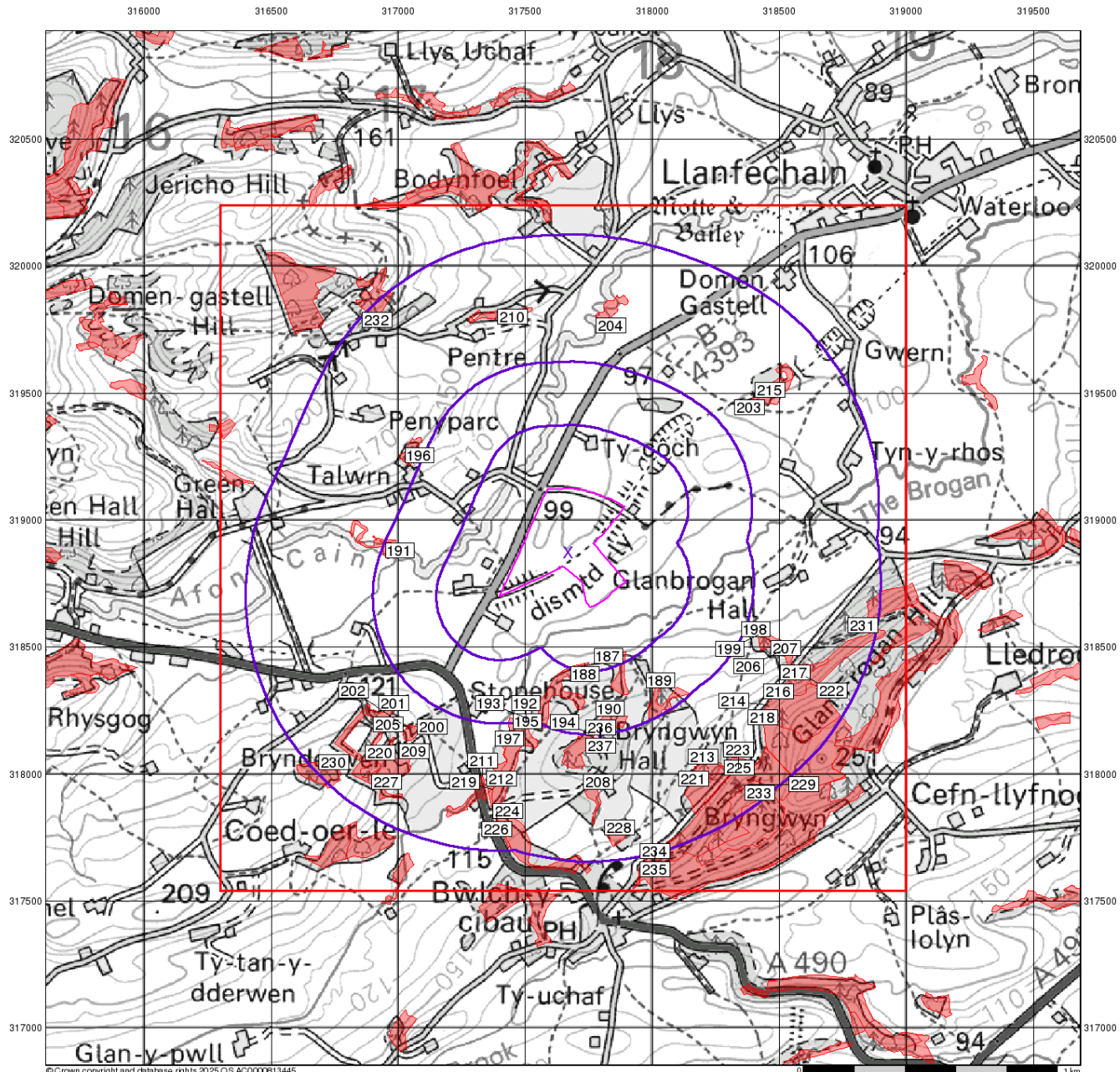
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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Sensitive Land Uses

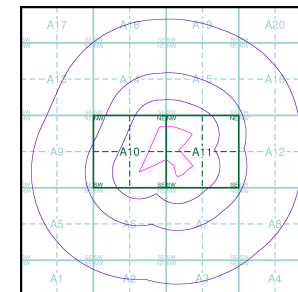
General

- ◆ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Sensitive Land Uses

- | | |
|---|--|
| Ancient Woodland | National Park |
| Area of Adopted Green Belt | Nitrate Sensitive Area |
| Area of Unadopted Green Belt | Nitrate Vulnerable Zone |
| Area of Outstanding Natural Beauty | Ramsar Site |
| Environmentally Sensitive Area | Site of Special Scientific Interest |
| Forest Park | Special Area of Conservation |
| Local Nature Reserve | Special Protection Area |
| Marine Nature Reserve | World Heritage Sites |
| National Nature Reserve | |

Site Sensitivity Context Map - Slice A



Order Details

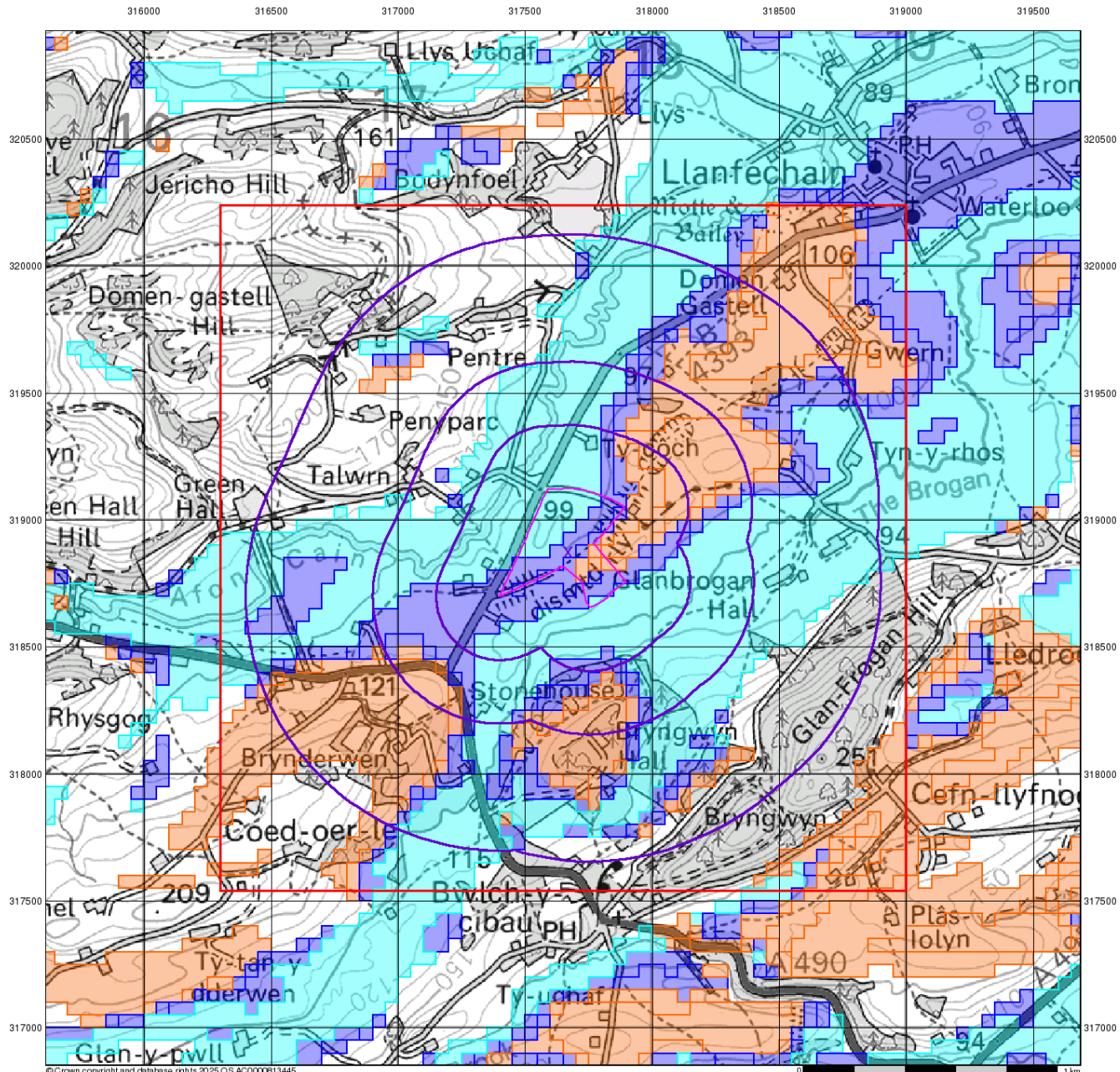
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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BGS Flood GFS Data

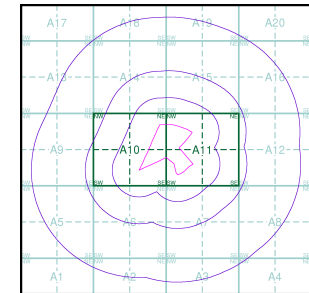
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

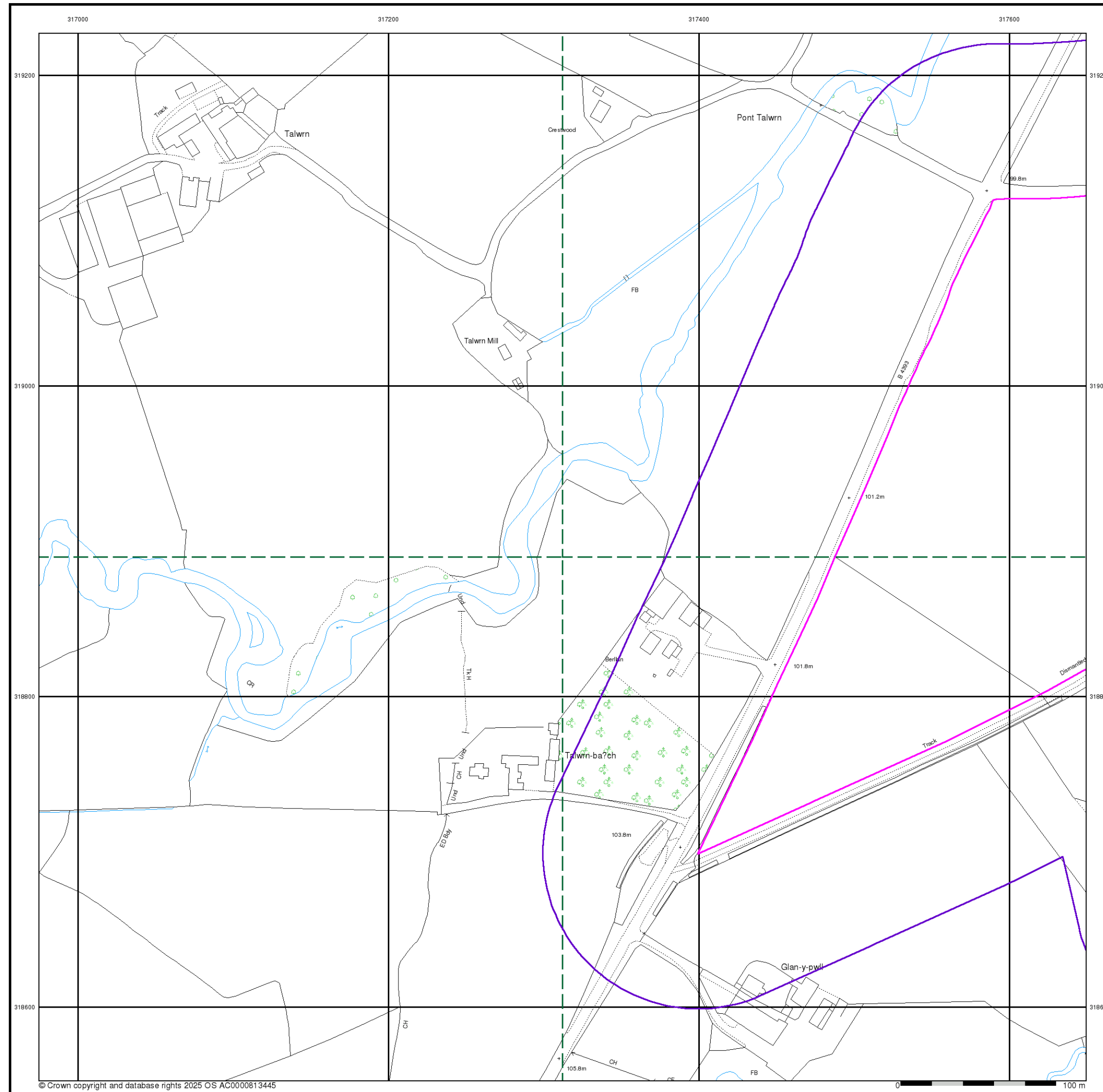
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 Site Area (Ha): 12.5
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Site Details

Site at 317650, 318980

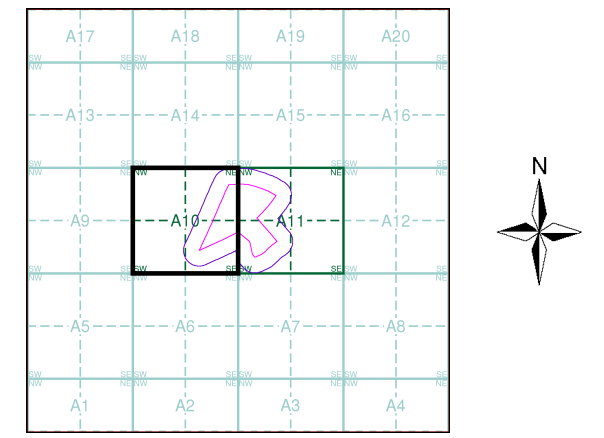


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 Fax: 0844 844 9951
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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Local Authority Recorded Landfill Site
 - Pollution Incident to Controlled Waters
 - Historical Prosecutions
 - Prosecutions
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A10



Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Plot Buffer (m): 100

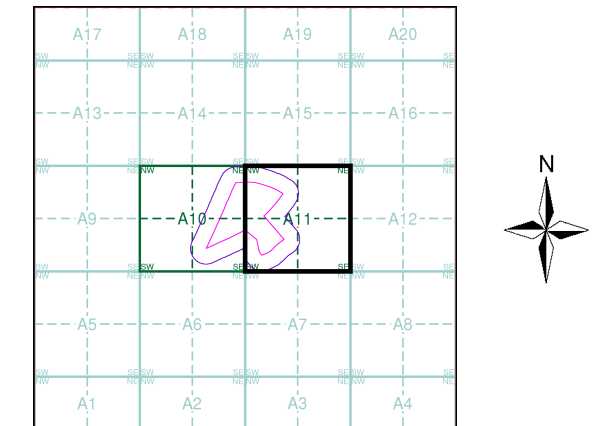
Site Details
 Site at 317650, 318980

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Historical Prosecutions
 - Prosecutions
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A11

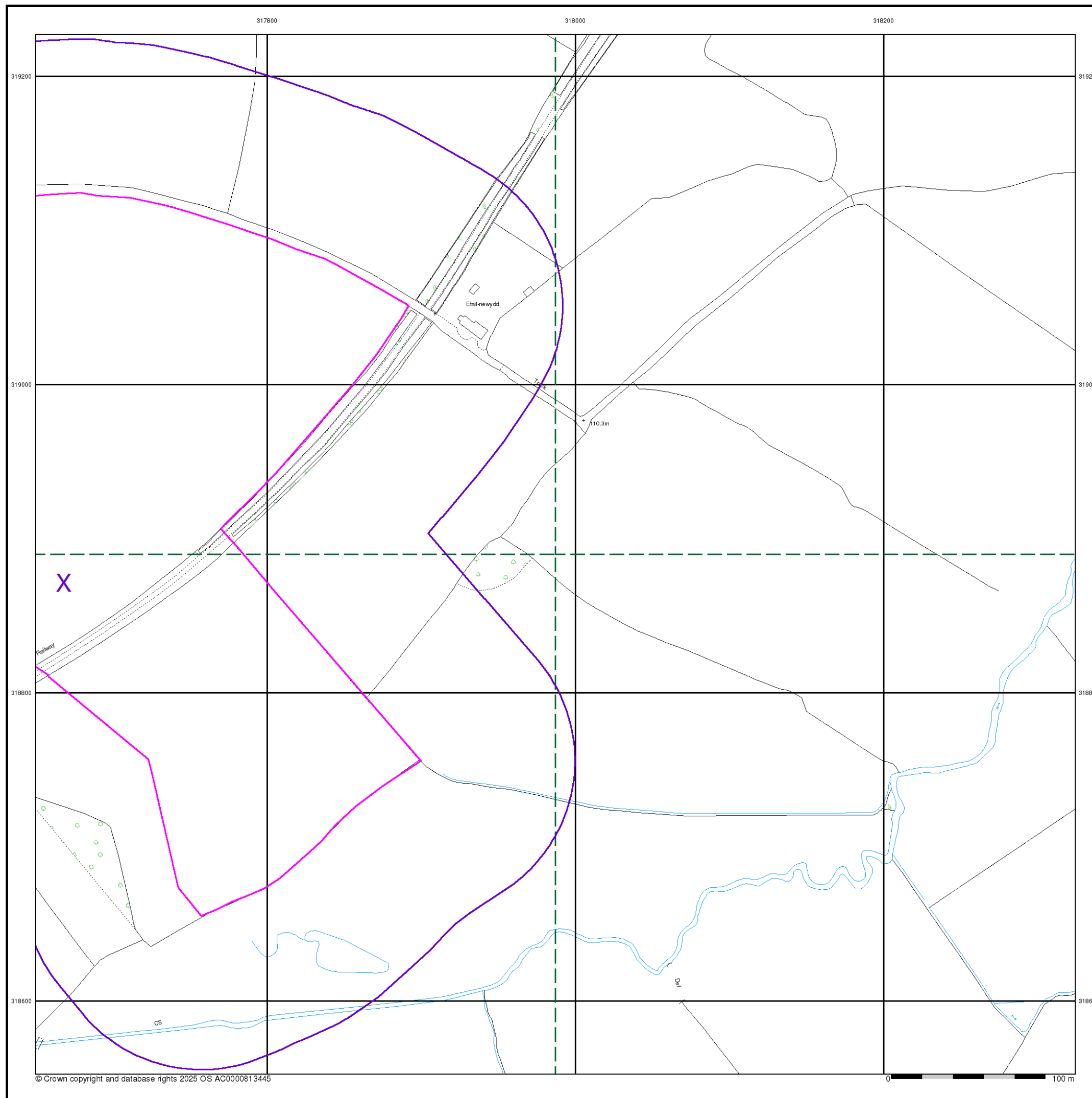


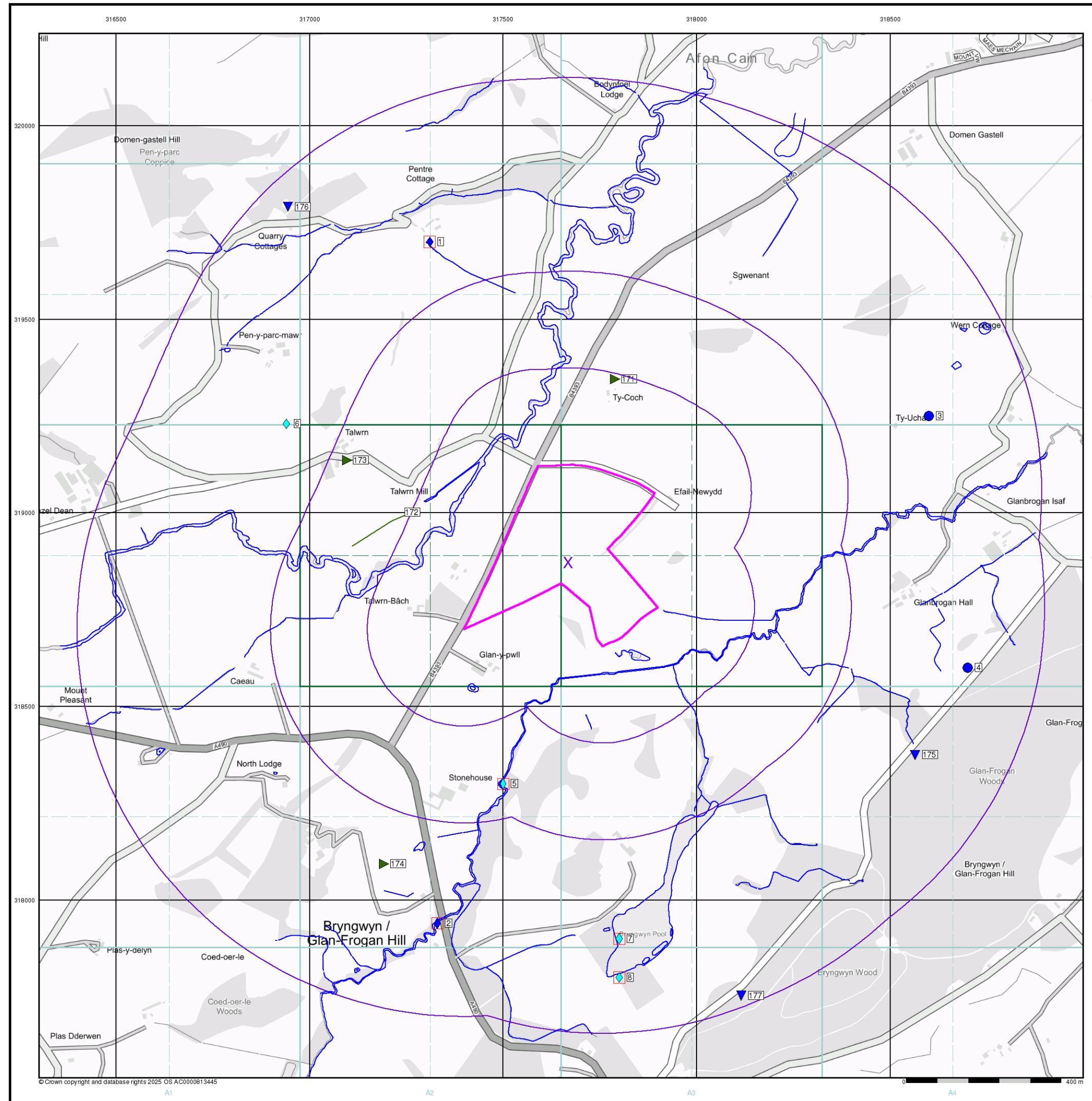
Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Plot Buffer (m): 100

Site Details

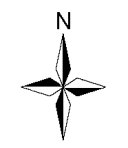
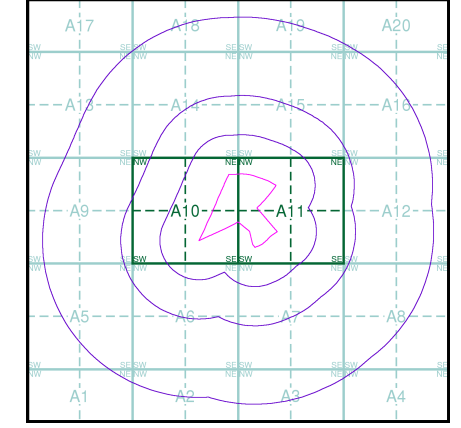
Site at 317650, 318980





- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Historical Prosecutions
 - Prosecutions
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A

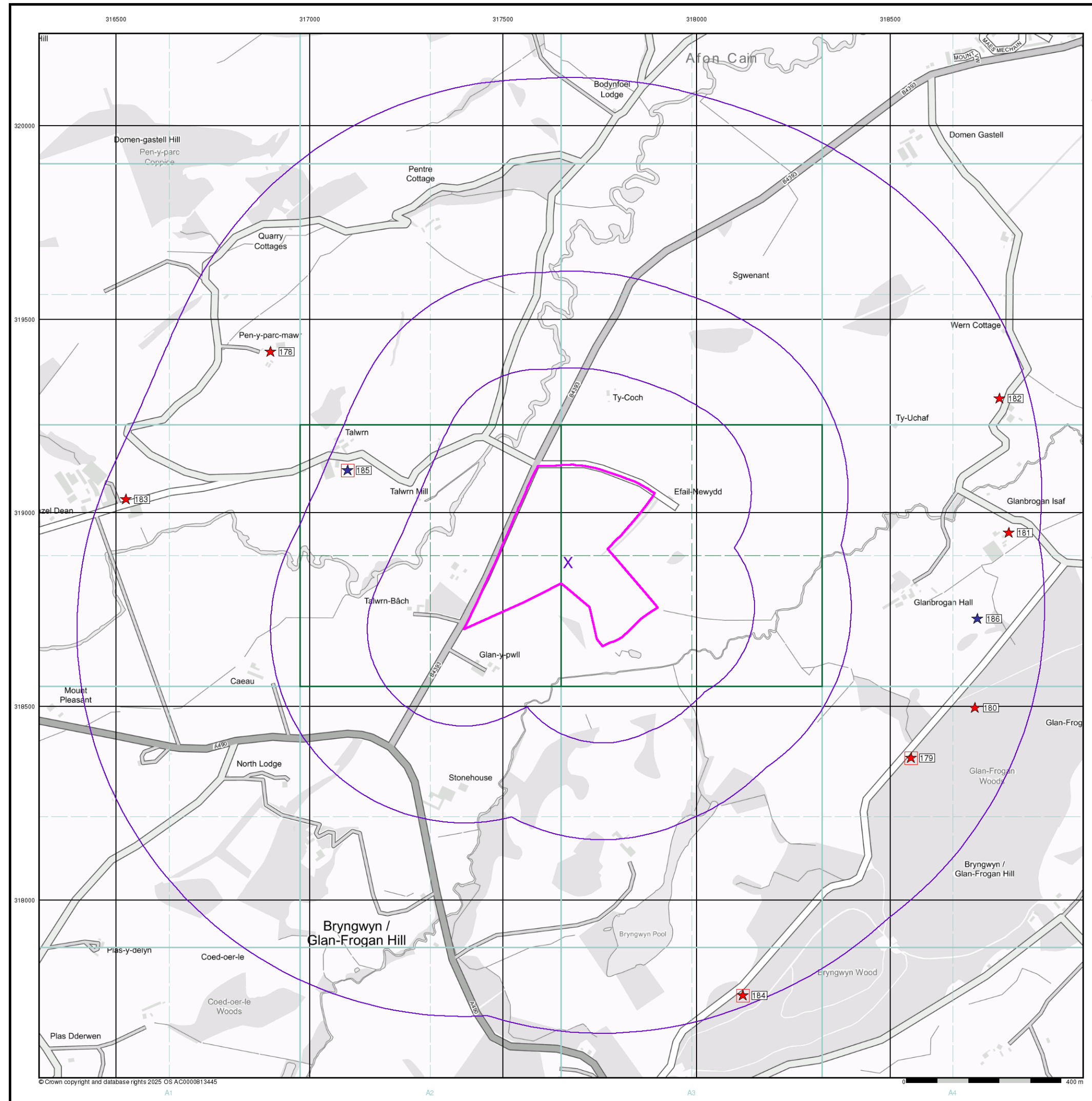


Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
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 Search Buffer (m): 1000

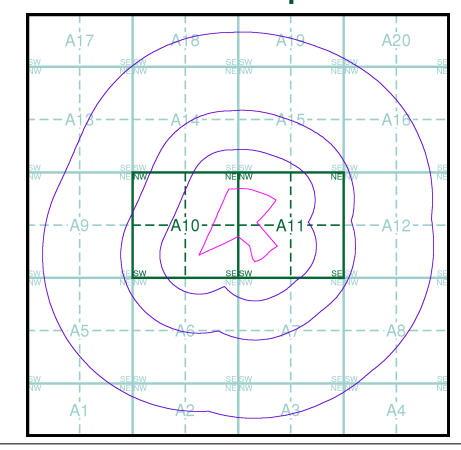
Site Details

Site at 317650, 318980



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry
 - Points of Interest - Commercial Services
 - Points of Interest - Education and Health
 - Points of Interest - Manufacturing and Production
 - Points of Interest - Public Infrastructure
 - Points of Interest - Recreational and Environmental
 - Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details
 Site at 317650, 318980

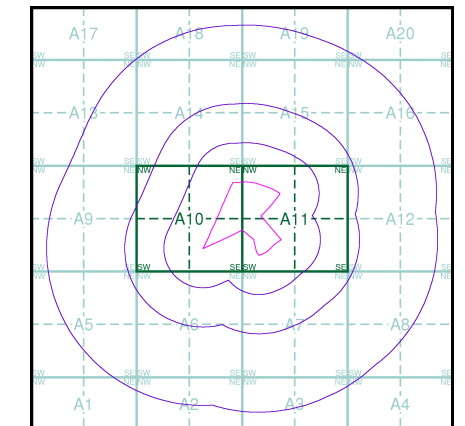
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A

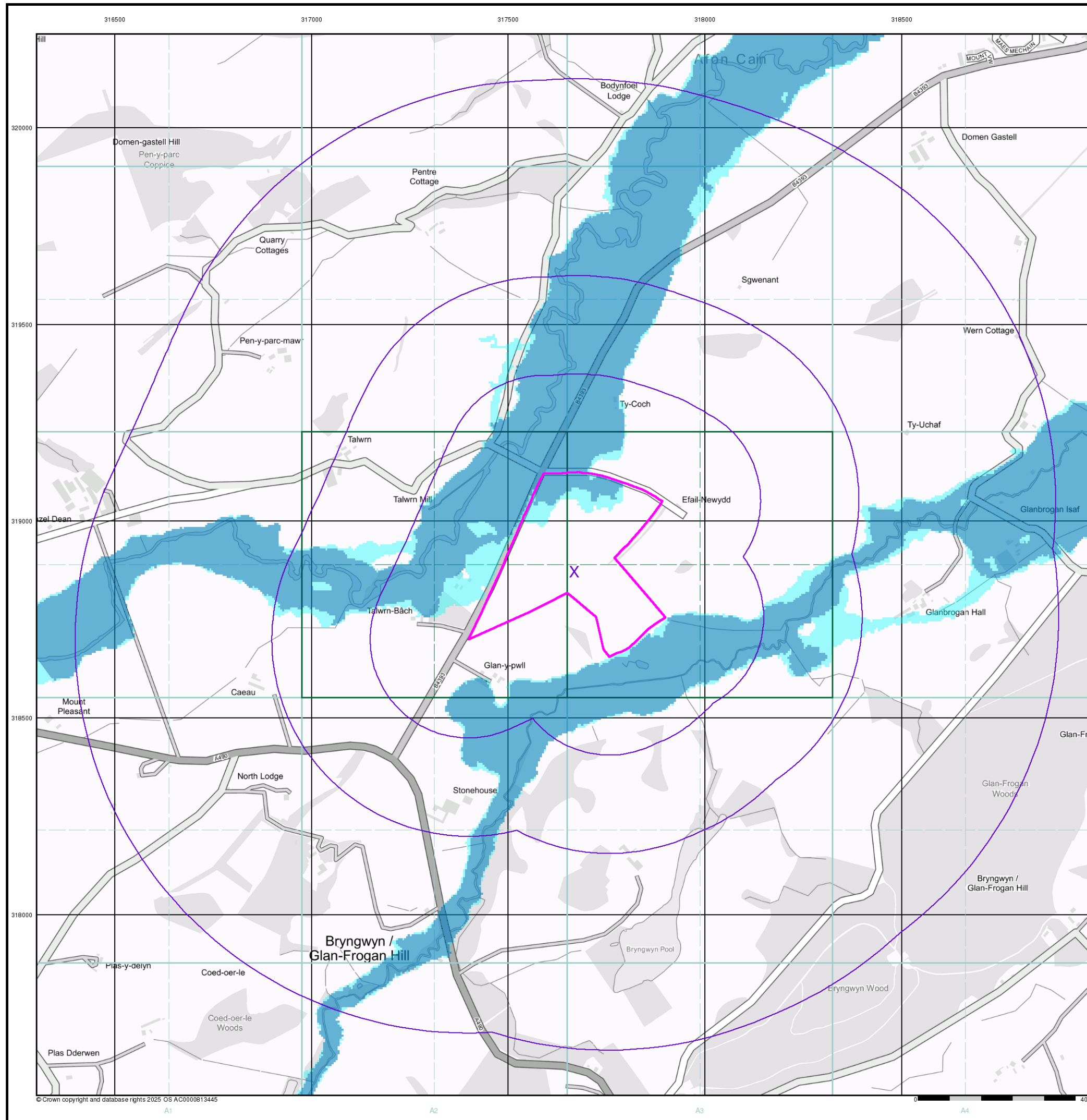


Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

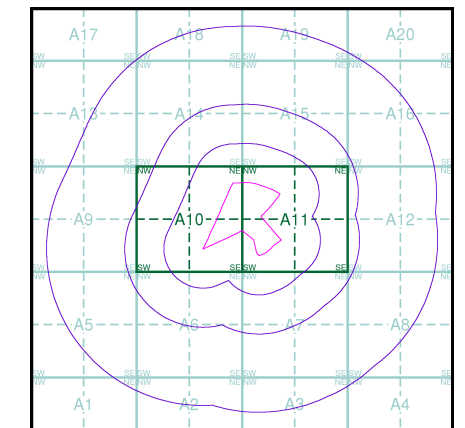
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A

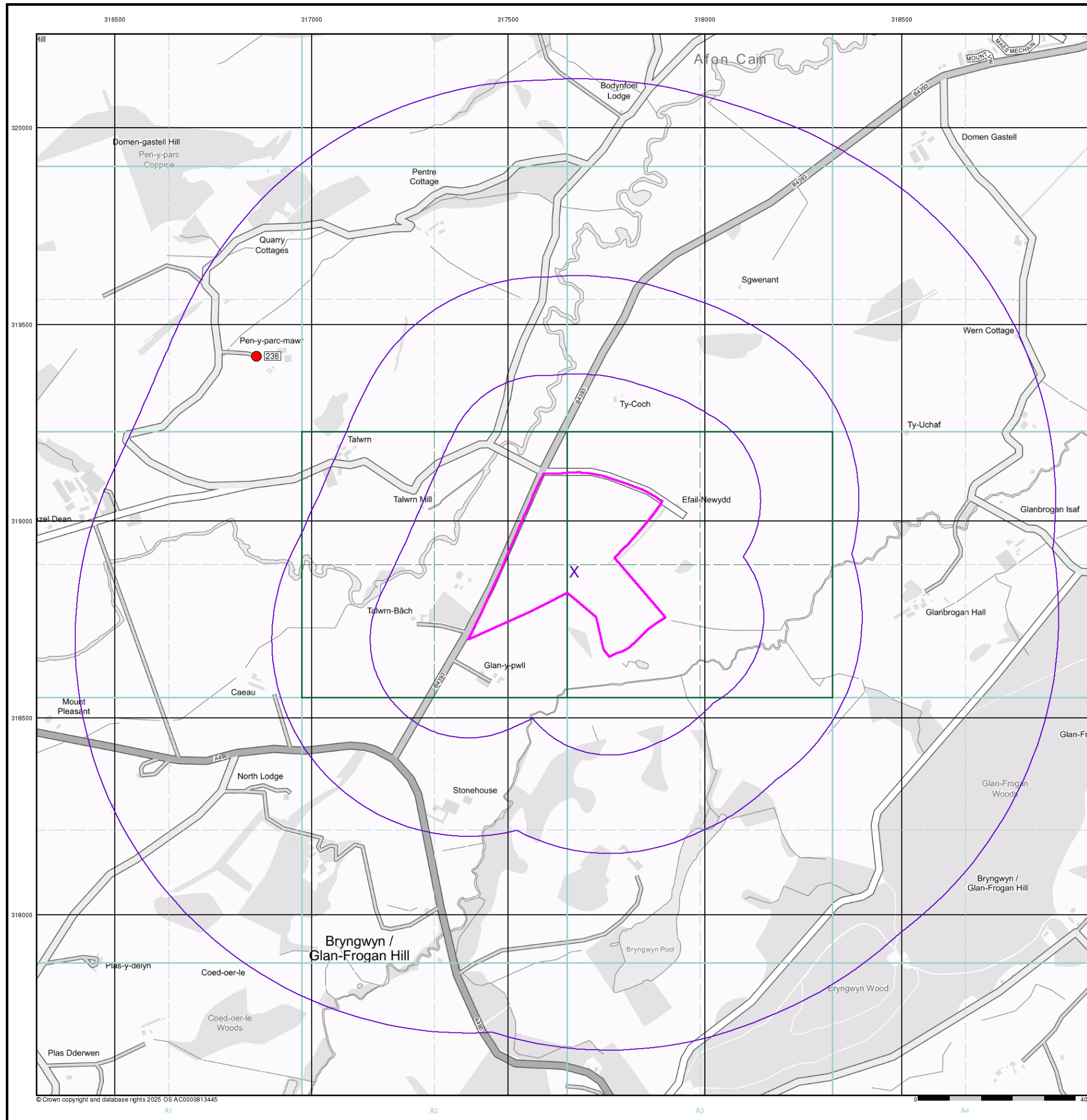


Order Details

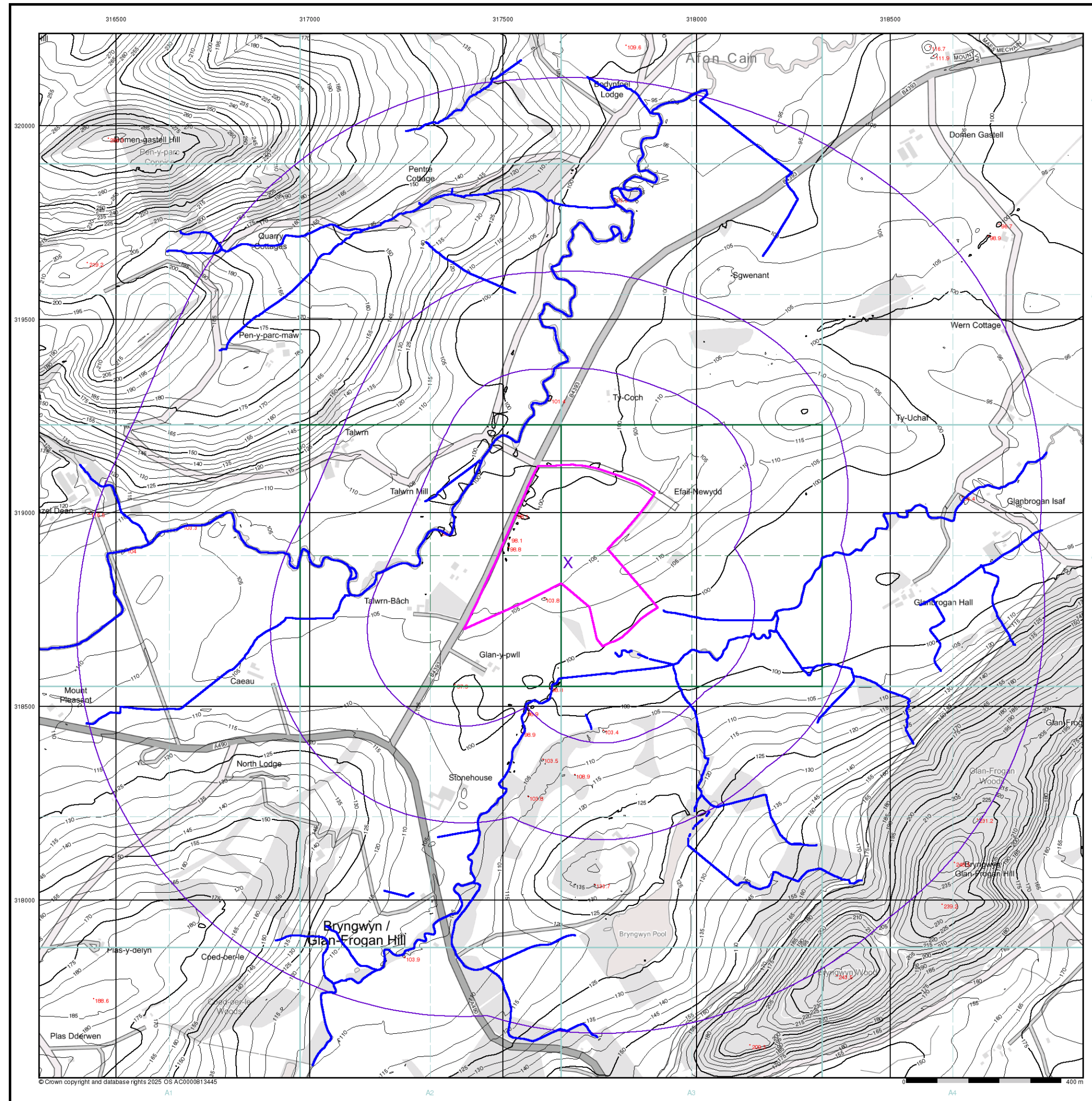
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

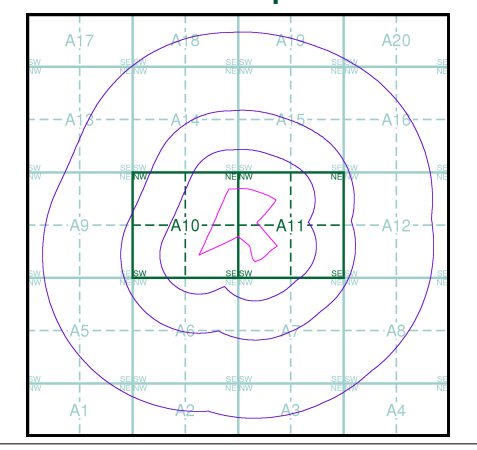
OS Water Network Data

- | | | | |
|--|--------------|--|-------------------------|
| | Canal | | Drain |
| | Reservoir | | Other |
| | Foreshore | | Lake |
| | Marsh | | Transfer |
| | Tidal River | | Lock Or Flight Of Locks |
| | Inland River | | Sea |

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- Mean Low Water
- Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

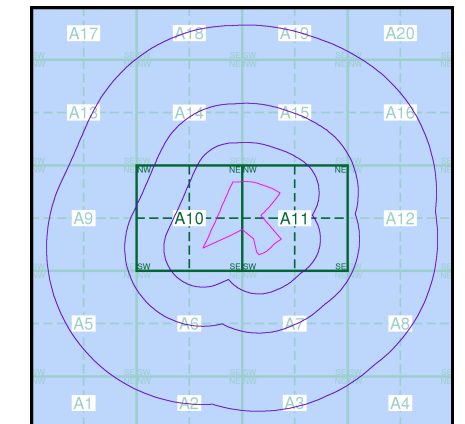
Risk of Flooding from Surface Water

- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

E/NRW Suitability Map - Slice A

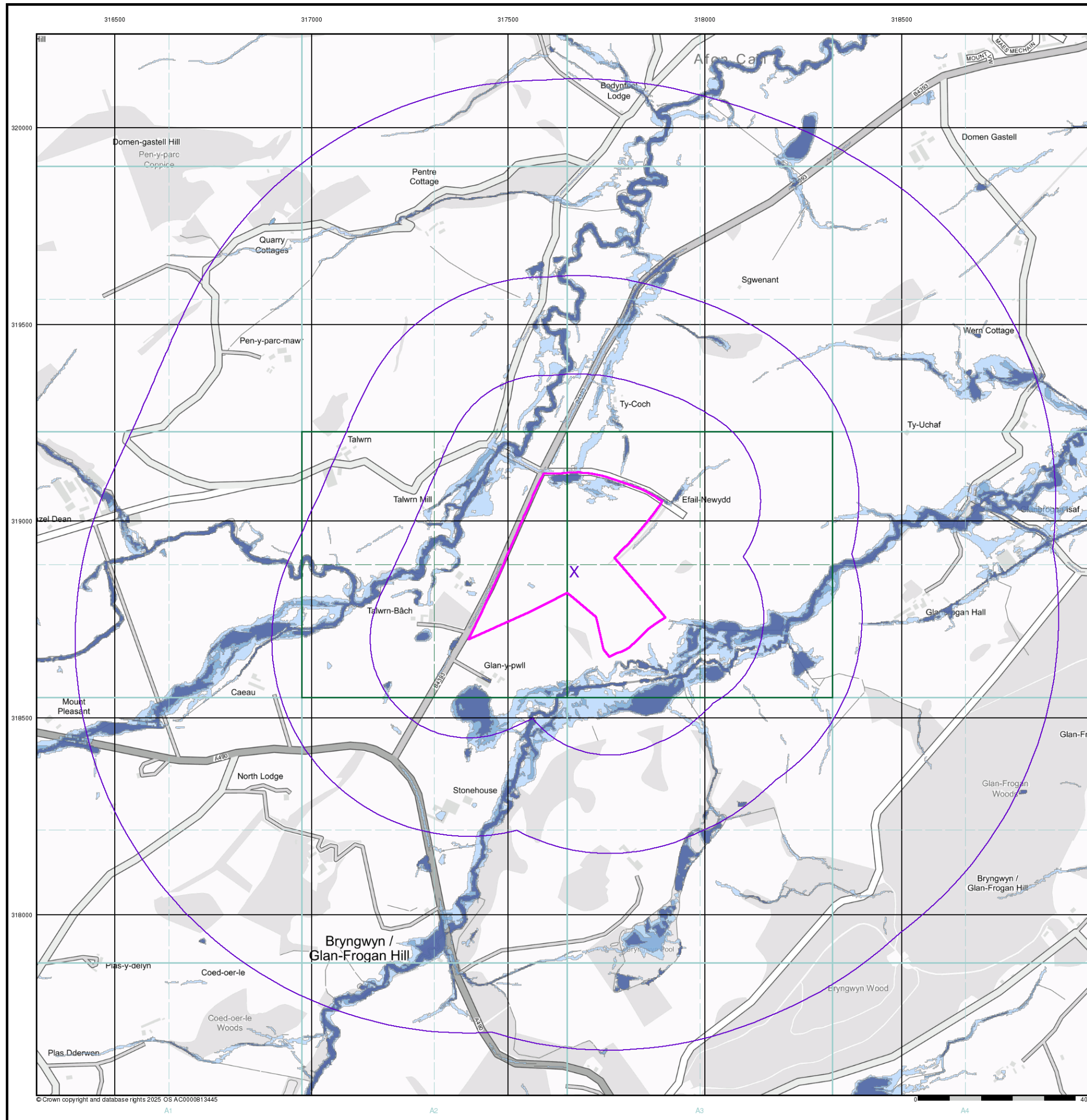


Order Details

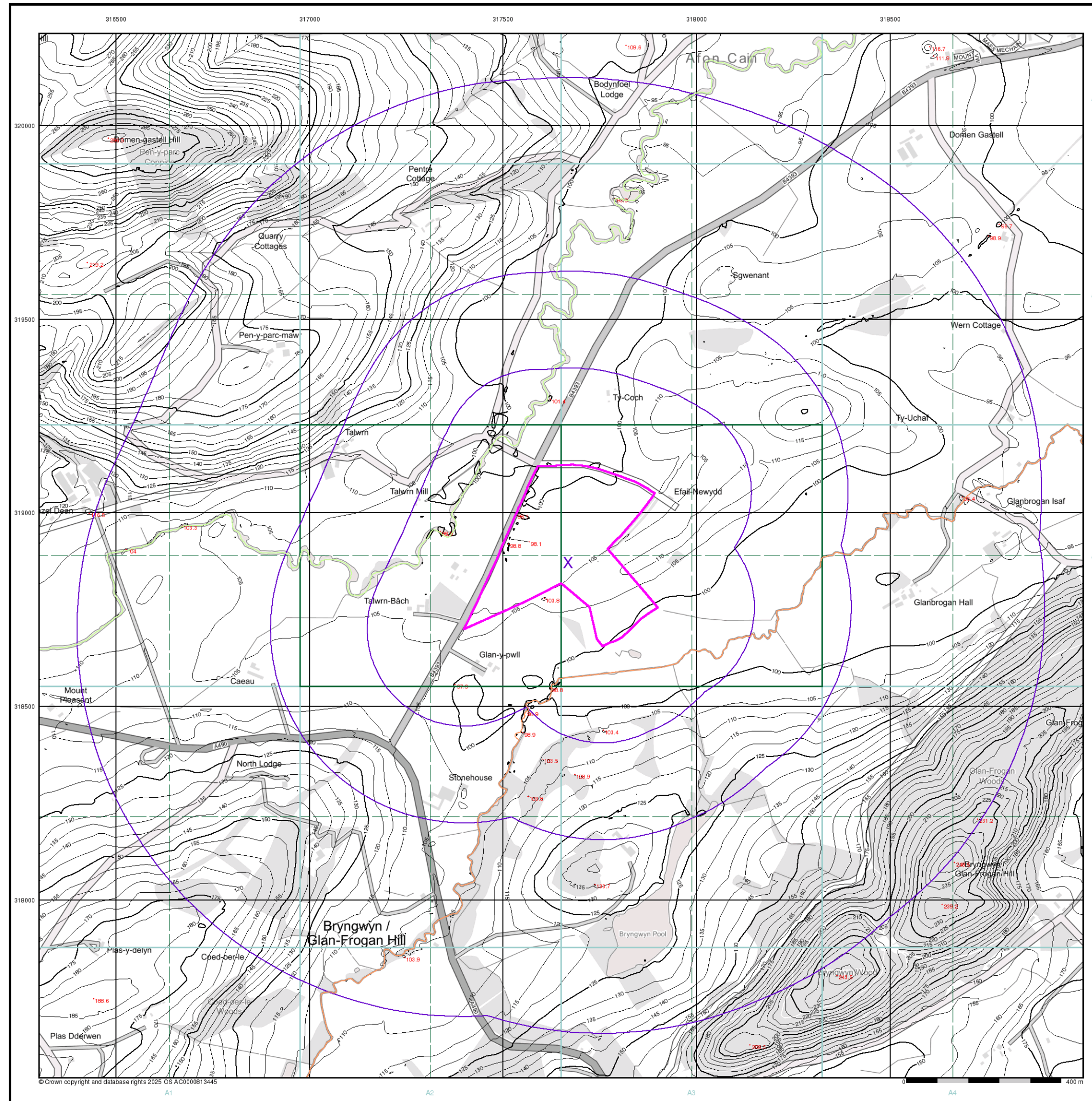
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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Geo²™

WFD Surface Waters Map

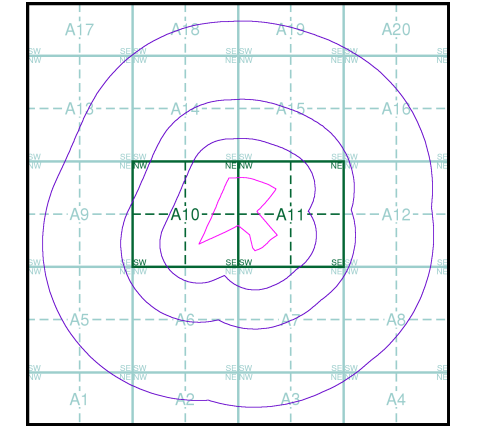
- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID

Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

- Contours (height in meters)**
- Standard Contour 105
 - Master Contour 100, 95
 - Spot Height *167.3
 - Mean Low Water
 - Mean High Water

WFD Surface Waters Map - Slice A

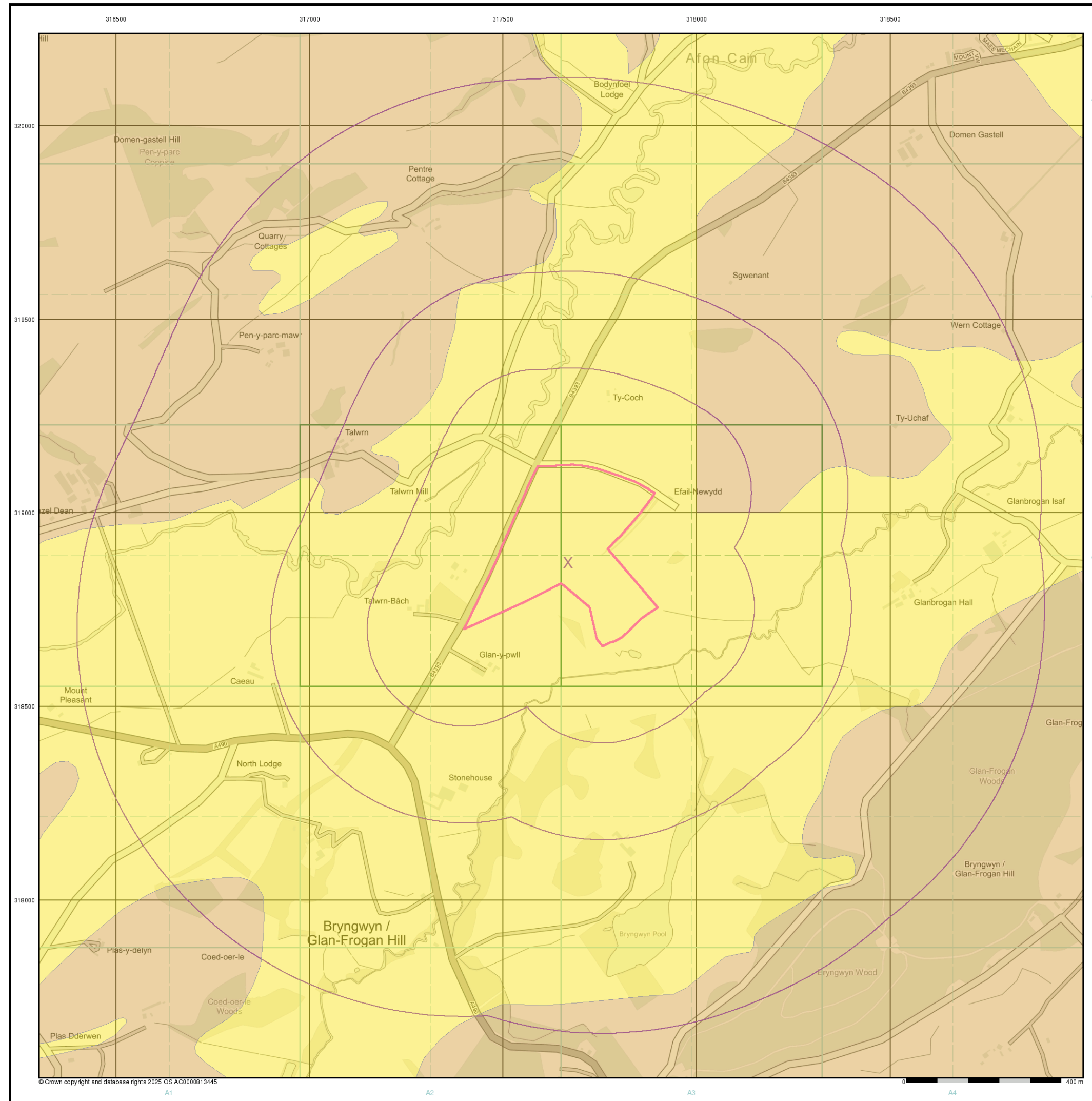


Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980

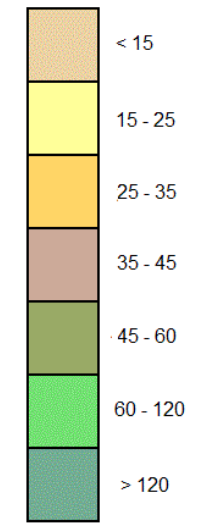


General

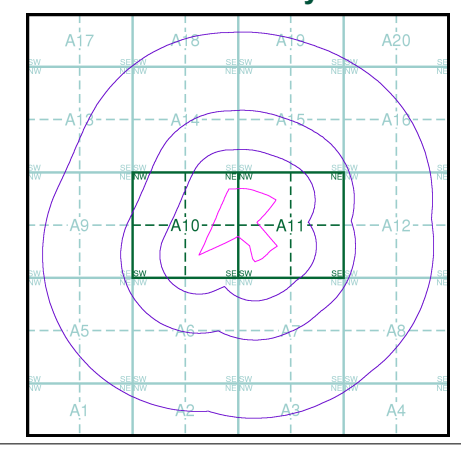
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

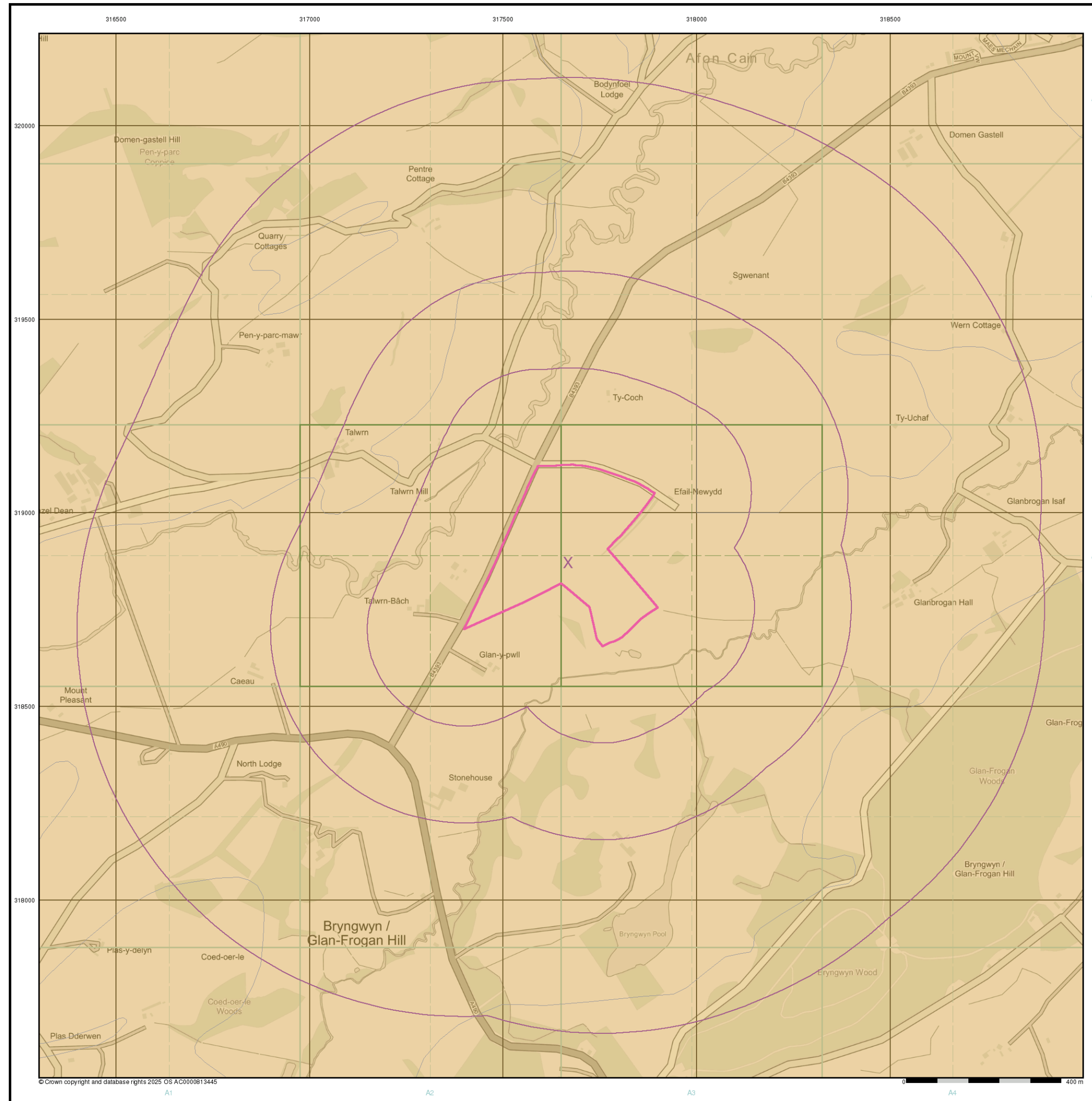
Order Details: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
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 Search Buffer (m): 1000

Site Details

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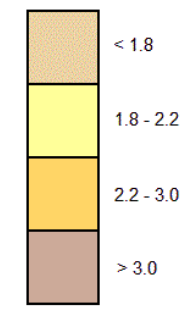


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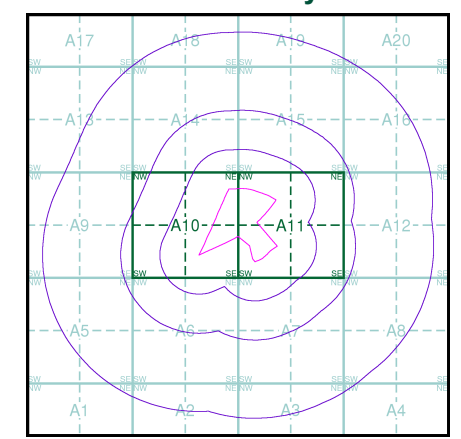
- ▭ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

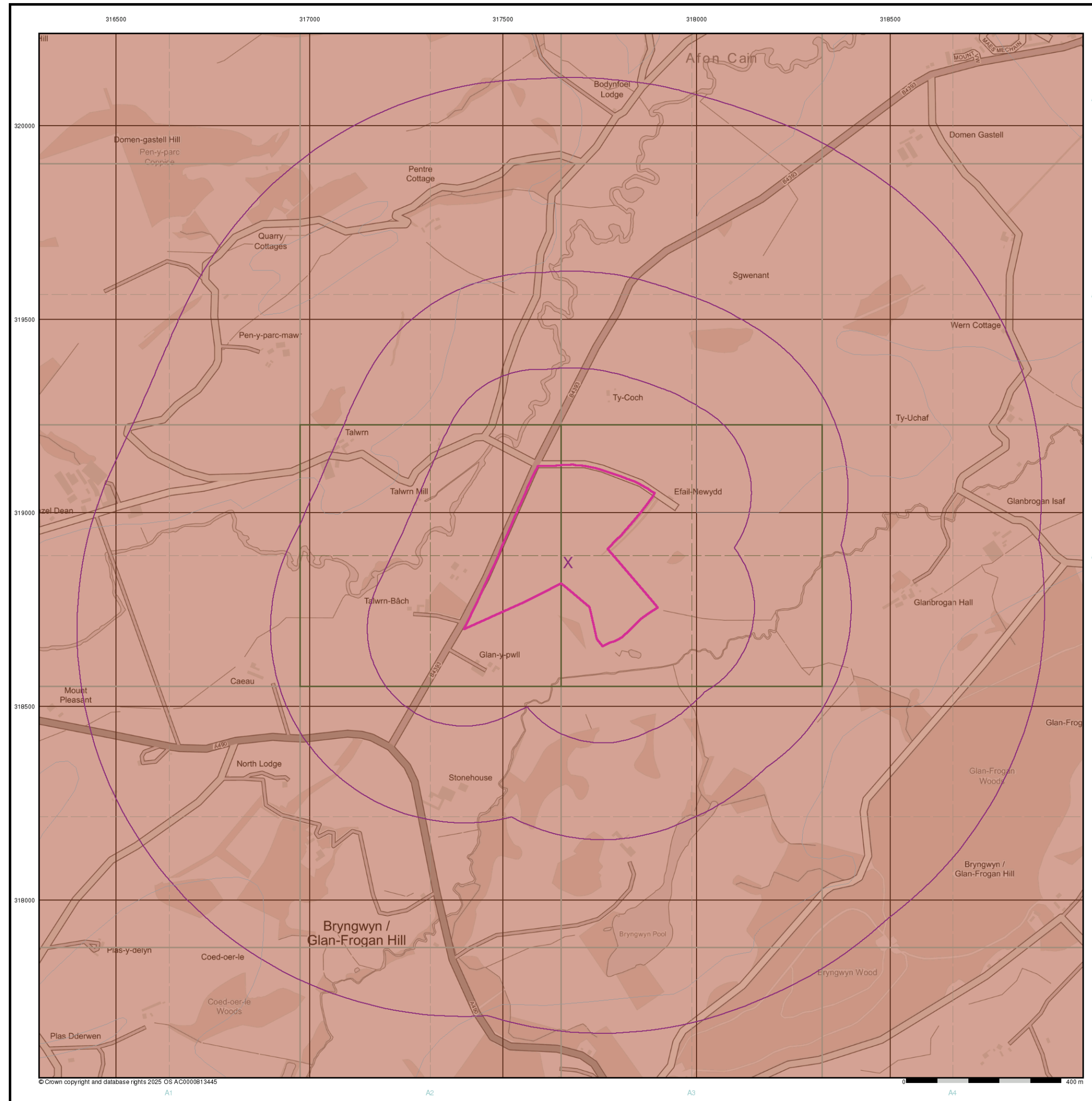
Order Details: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
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Site Details

Site at 317650, 318980



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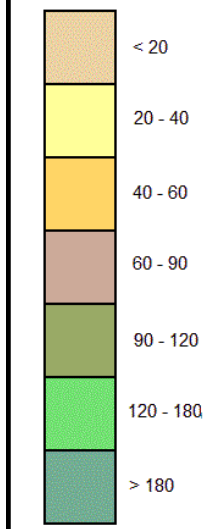


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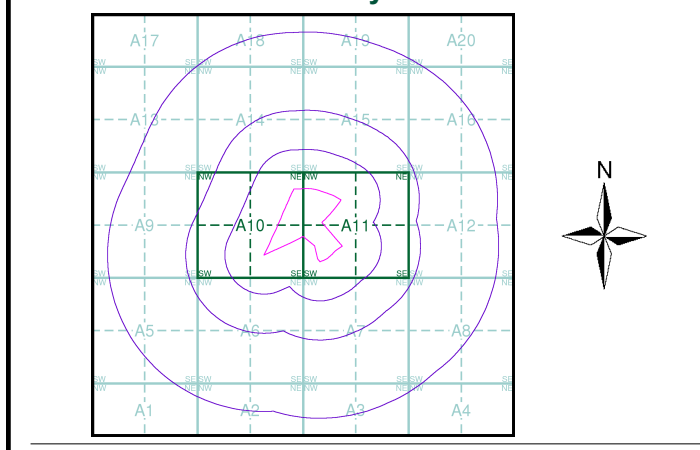
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- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

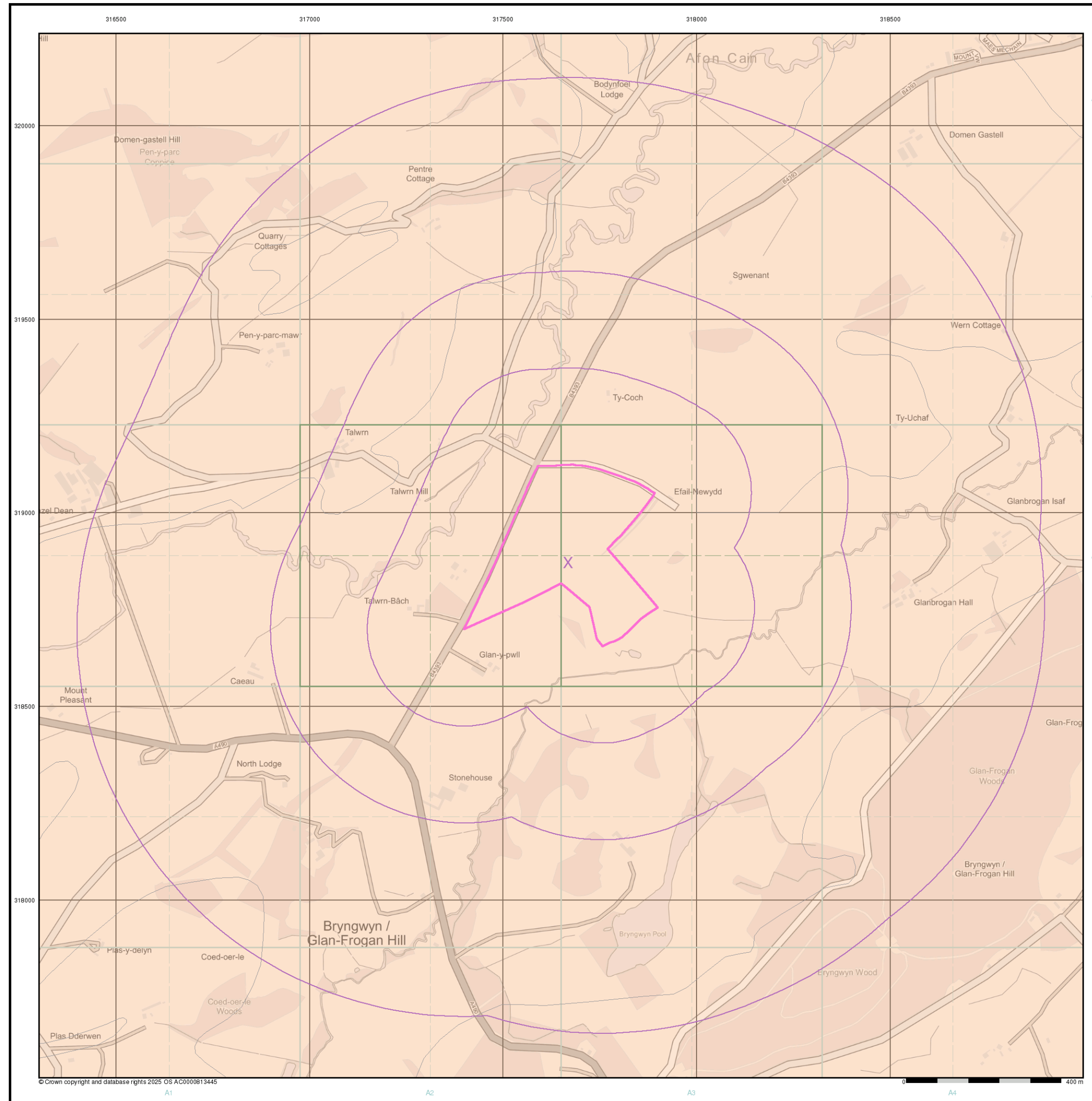
Order Details: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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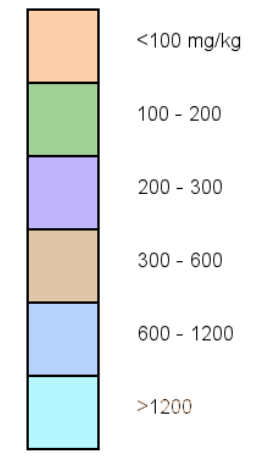


General

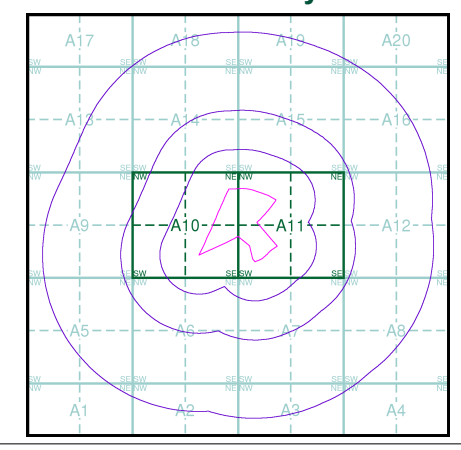
- ◊ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

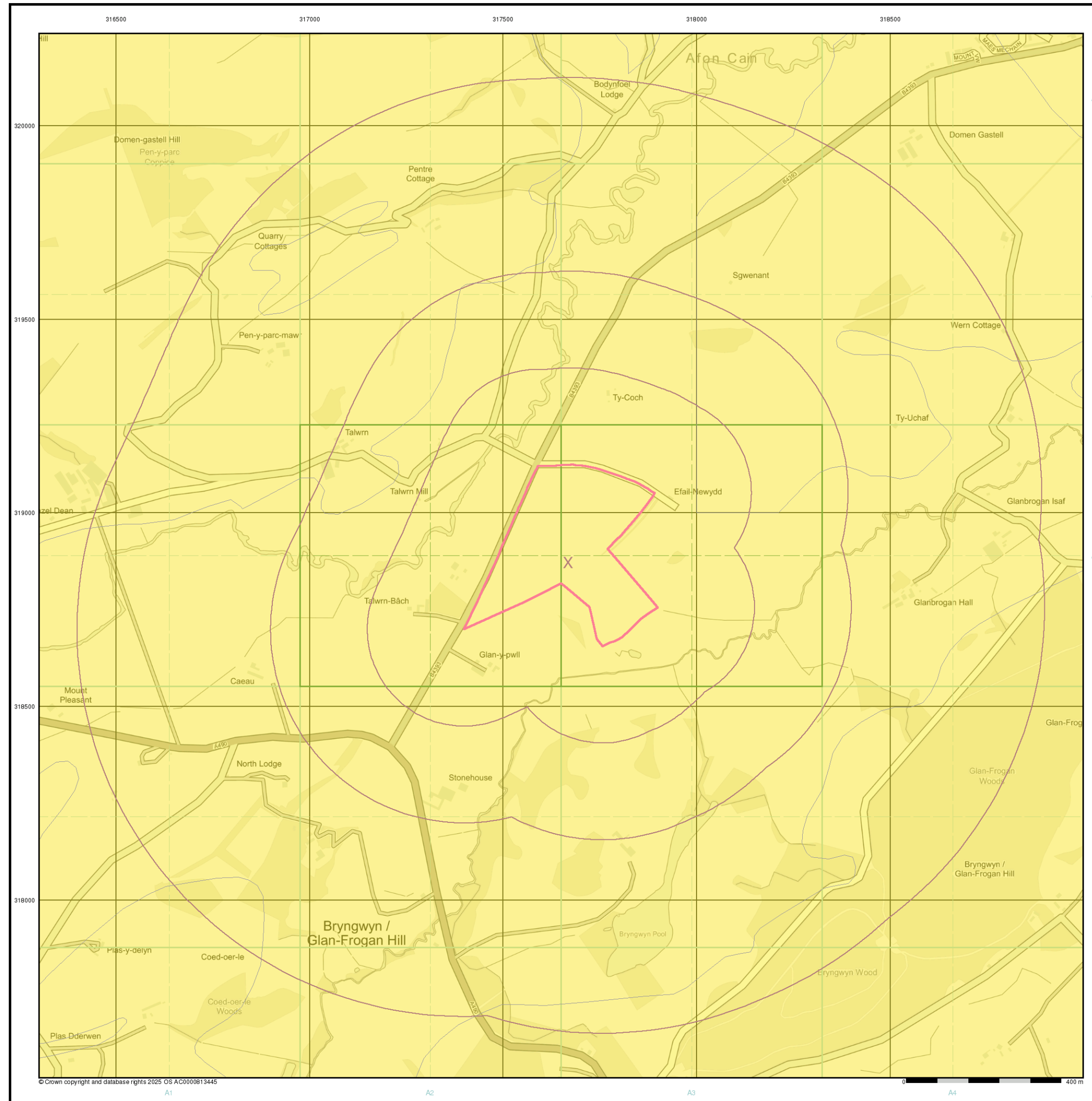
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Site Details

Site at 317650, 318980



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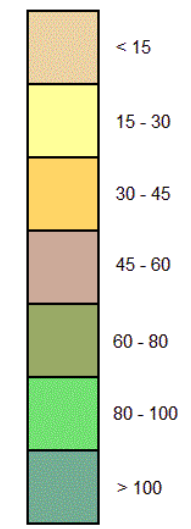


General

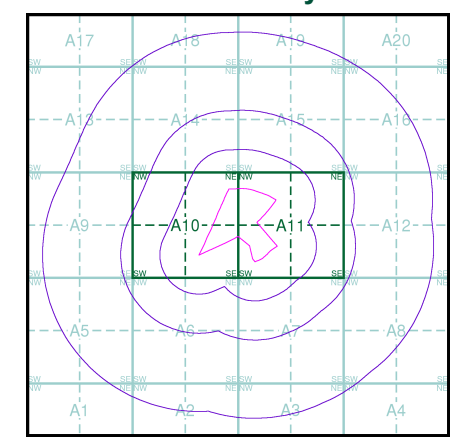
- ▭ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

- Gravel Pit
- Sand Pit
- Other Pits
- Quarry
- Shingle
- Orchard
- Osiers
- Reeds
- Marsh
- Mixed Wood
- Deciduous
- Brushwood
- Fir
- Furze
- Rough Pasture
- Arrow denotes flow of water
- Trigonometrical Station
- Site of Antiquities
- Bench Mark
- Pump, Guide Post, Signal Post
- Well, Spring, Boundary Post
- 285** Surface Level
- Sketched Contour
- Instrumental Contour
- Main Roads
- Minor Roads
- Sunken Road
- Raised Road
- Road over Railway
- Railway over River
- Railway over Road
- Level Crossing
- Road over River or Canal
- Road over Stream
- Road over Stream
- County Boundary (Geographical)
- County & Civil Parish Boundary
- Administrative County & Civil Parish Boundary
- Co. Boro. Bdy. County Borough Boundary (England)
- Co. Burgh Bdy. County Burgh Boundary (Scotland)
- R.D. Bdy. Rural District Boundary
- Civil Parish Boundary

Ordnance Survey Plan 1:10,000

- Chalk Pit, Clay Pit or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Lake, Loch or Pond
- Dunes
- Boulders
- Coniferous Trees
- Non-Coniferous Trees
- Orchard
- Scrub
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Sloping Masonry
- Pylon
- Electricity Transmission Line
- Pole
- Cutting
- Embankment
- Standard Gauge Multiple Track
- Standard Gauge Single Track
- Siding, Tramway or Mineral Line
- Narrow Gauge
- Geographical County
- Administrative County, County Borough or County of City
- Municipal Borough, Urban or Rural District, Burgh or District Council
- Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
- Civil Parish
Shown alternately when coincidence of boundaries occurs
- BP, BS Boundary Post or Stone
- Ch Church
- CH Club House
- F E Sta Fire Engine Station
- FB Foot Bridge
- Fn Fountain
- GP Guide Post
- MP Mile Post
- MS Mile Stone
- Pol Sta Police Station
- PO Post Office
- PC Public Convenience
- PH Public House
- SB Signal Box
- Spr Spring
- TCB Telephone Call Box
- TCP Telephone Call Post
- W Well

1:10,000 Raster Mapping

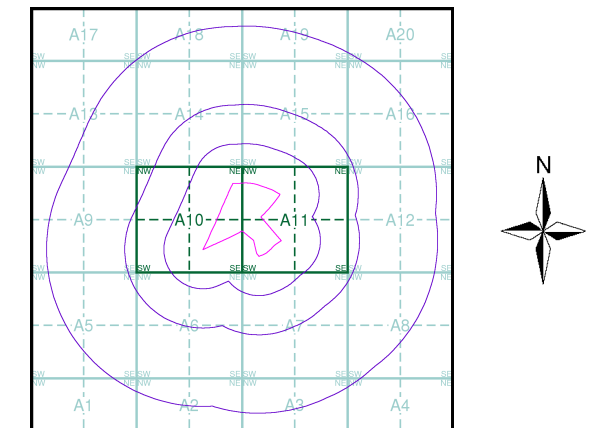
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- Refuse tip or slag heap
- Rock (scattered)
- Boulders (scattered)
- Mud
- Sand Pit
- Top of cliff
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary
- Underground detail
- Narrow gauge railway
- Single track railway
- Civil, parish or community boundary
- Constituency boundary
- Area of wooded vegetation
- Non-coniferous trees
- Coniferous trees
- Positioned tree
- Coppice or Osiers
- Rough Grassland
- Heath
- Marsh, Salt Marsh or Reeds
- Scrub
- Water feature
- Flow arrows
- MHW(S)** Mean high water (springs)
- MLW(S)** Mean low water (springs)
- Electricity transmission line (with poles)
- Telephone line (where shown)
- Bench mark (where shown)
- Point feature (e.g. Guide Post or Mile Stone)
- Site of (antiquity)
- General Building
- Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Denbighshire	1:10,560	1880	2
Montgomeryshire	1:10,560	1884	3
Denbighshire	1:10,560	1900	4
Montgomeryshire	1:10,560	1902	5
Denbighshire	1:10,560	1914	6
Montgomeryshire	1:10,560	1938 - 1953	7
Denbighshire	1:10,560	1953	8
Montgomeryshire	1:10,560	1953	9
Ordnance Survey Plan	1:10,000	1963 - 1964	10
Ordnance Survey Plan	1:10,000	1979	11
Ordnance Survey Plan	1:10,000	1983	12
10K Raster Mapping	1:10,000	2000	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2025	15

Historical Map - Slice A



Order Details

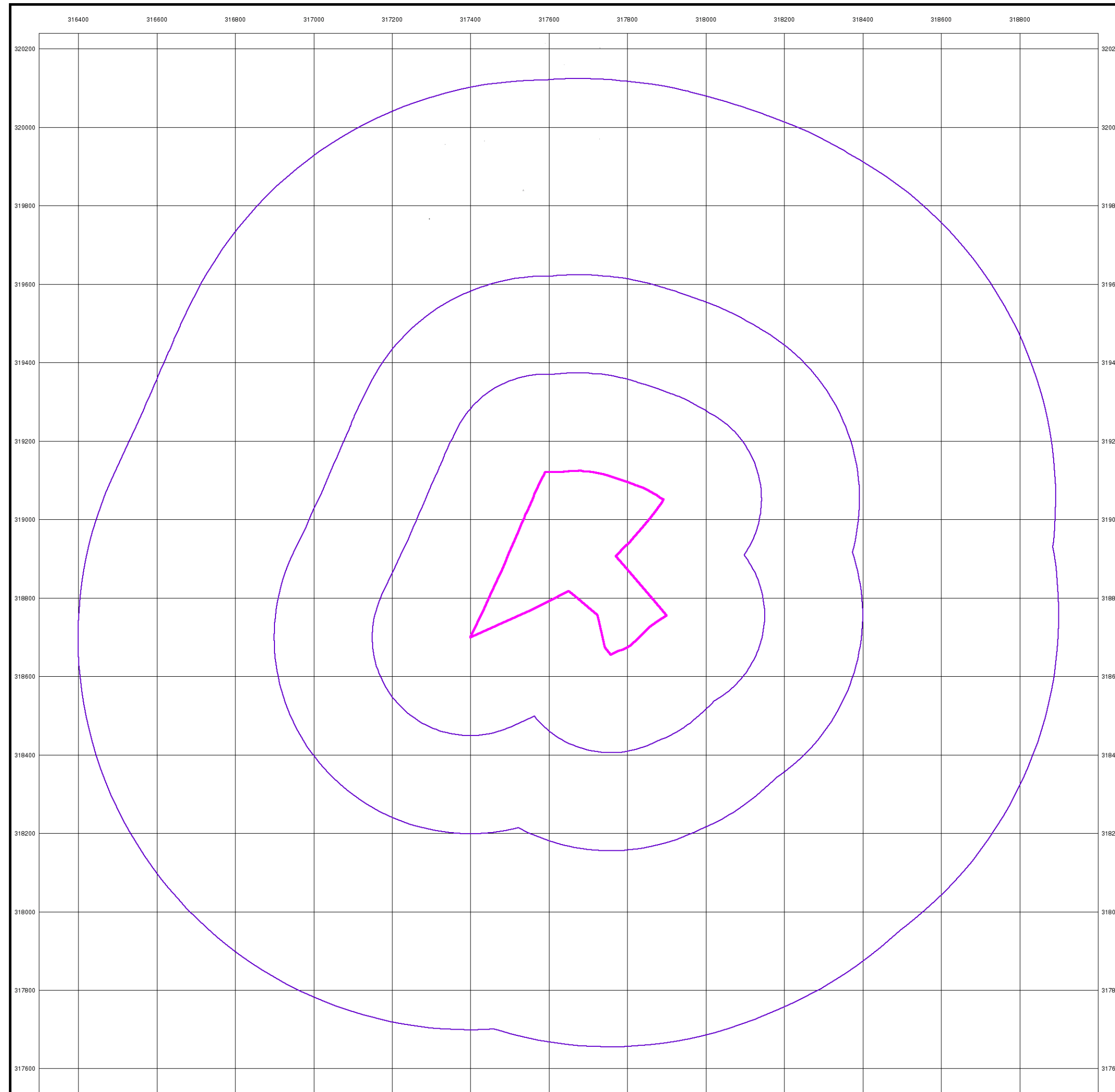
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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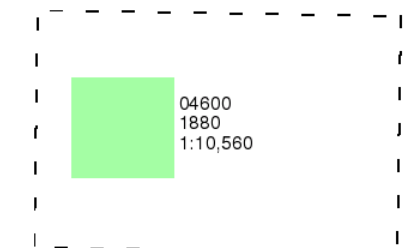
Denbighshire

Published 1880

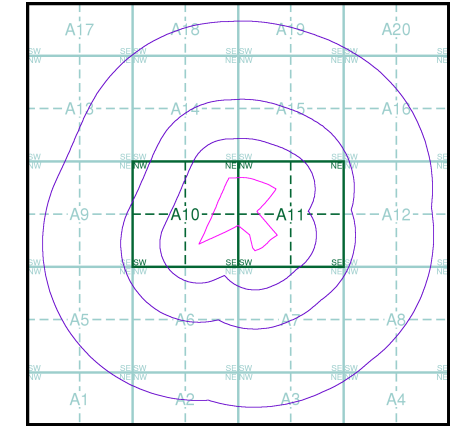
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

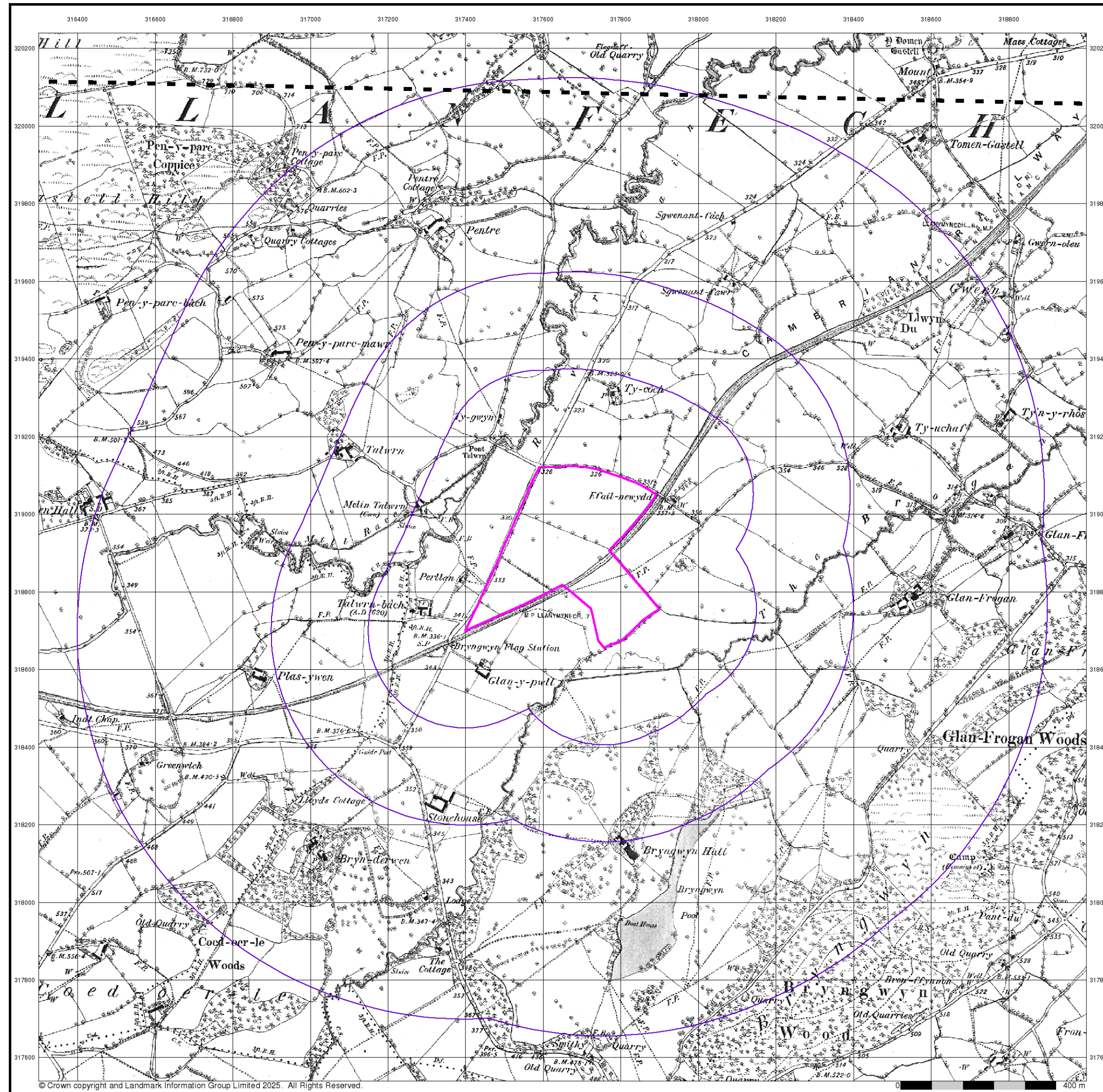
Order Number: 388404915_1_1
 Customer Ref: 4853
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Site Details

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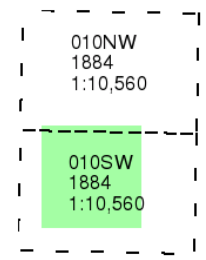
Montgomeryshire

Published 1884

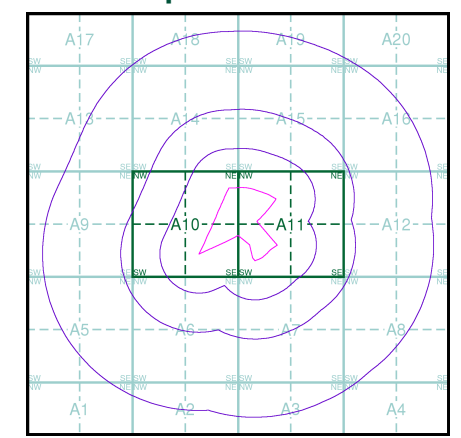
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

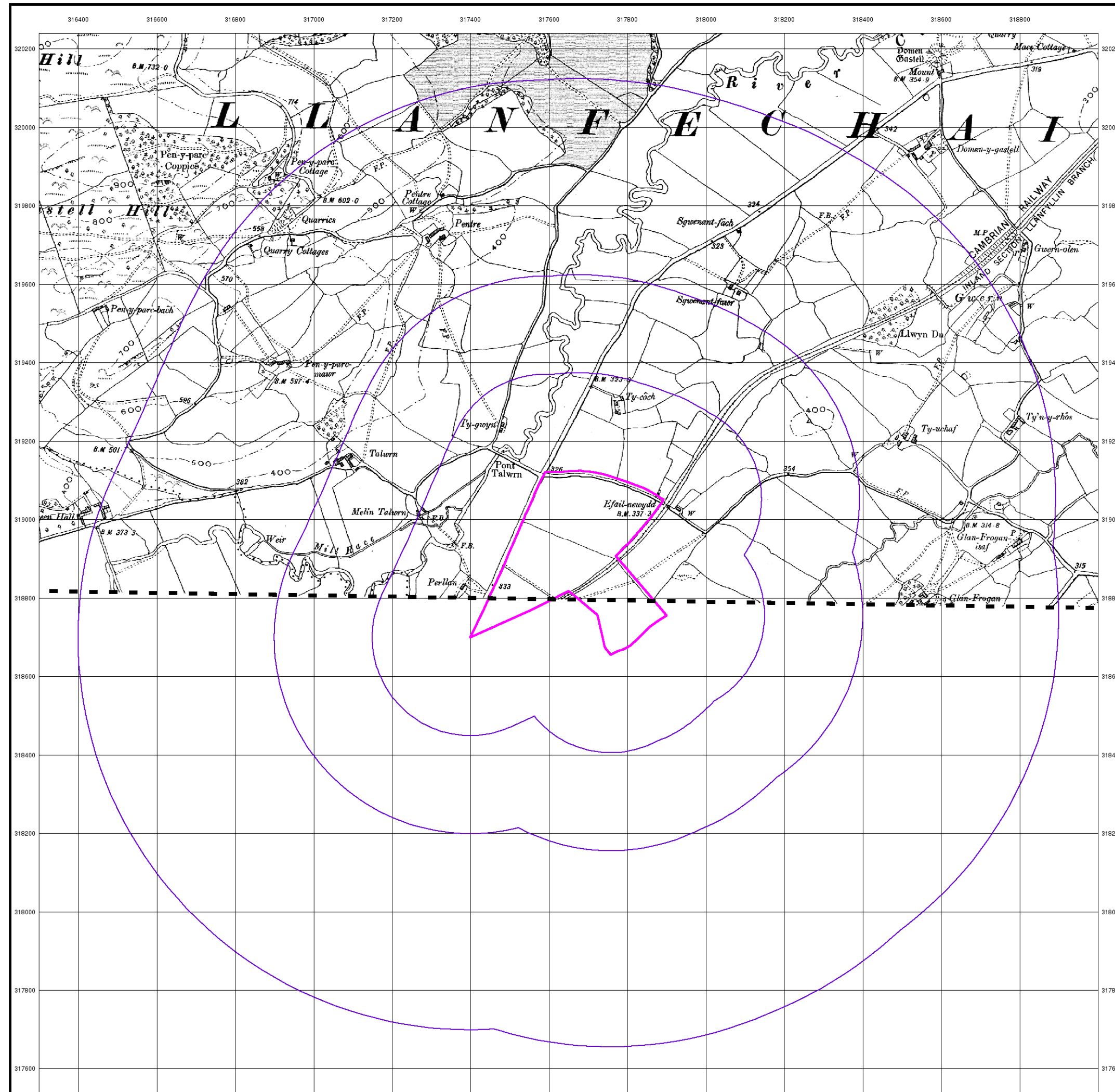
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
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 Site Area (Ha): 12.5
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Site Details

Site at 317650, 318980



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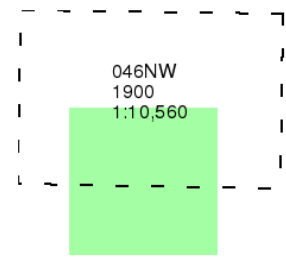
Denbighshire

Published 1900

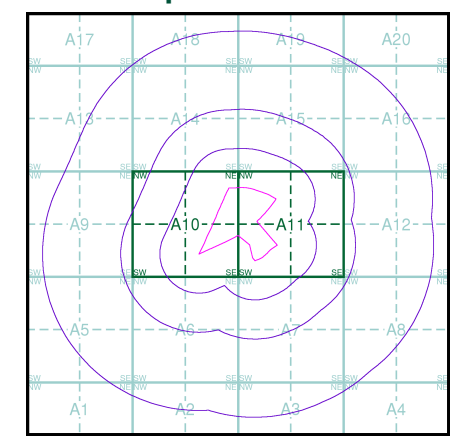
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

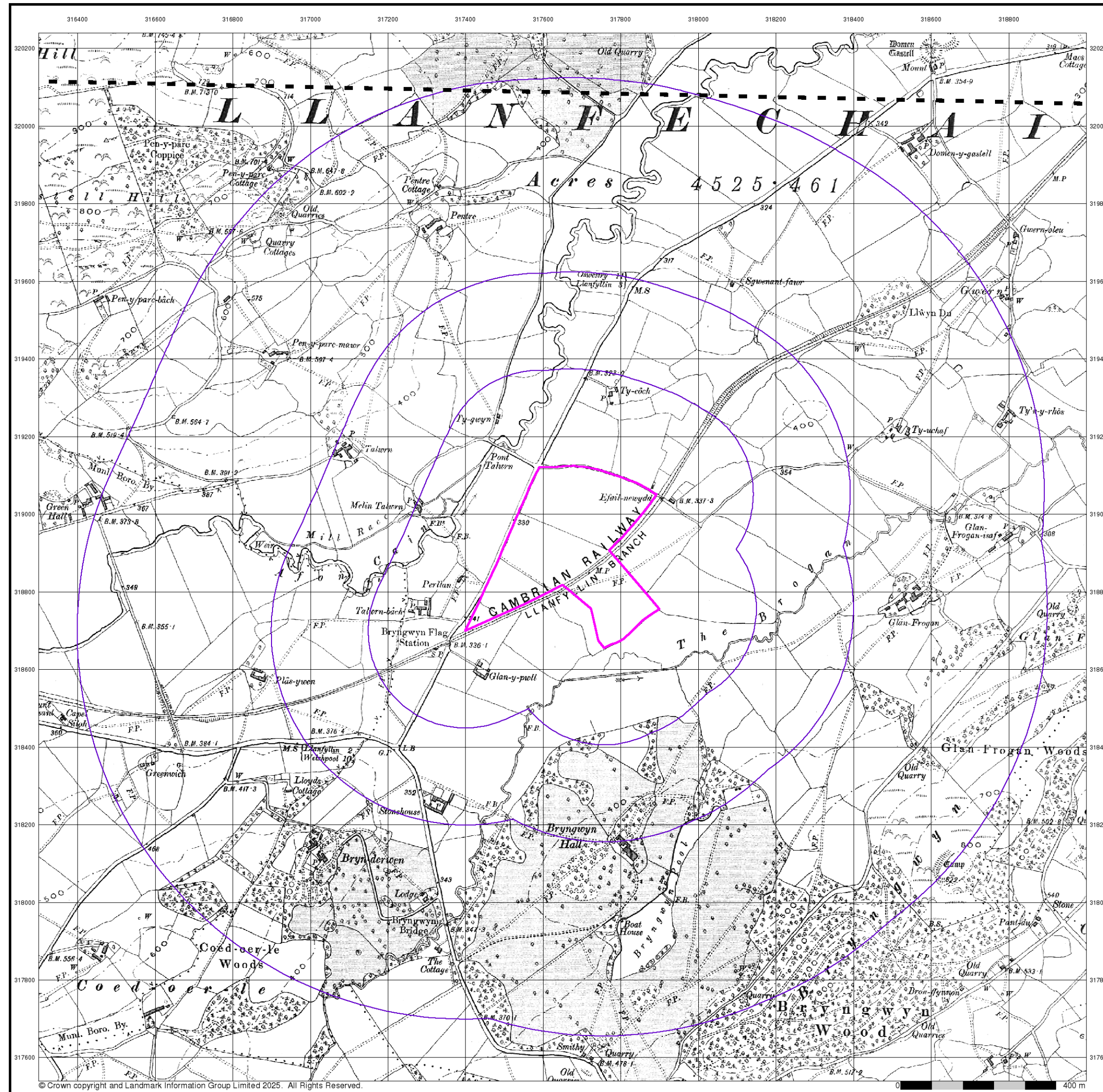
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

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Montgomeryshire

Published 1902

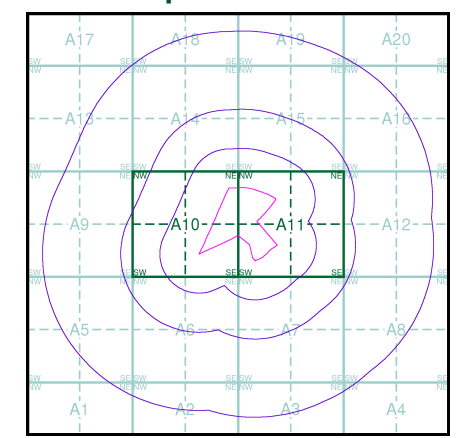
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

010NW	1902	1:10,560
010SW	1902	1:10,560

Historical Map - Slice A



Order Details

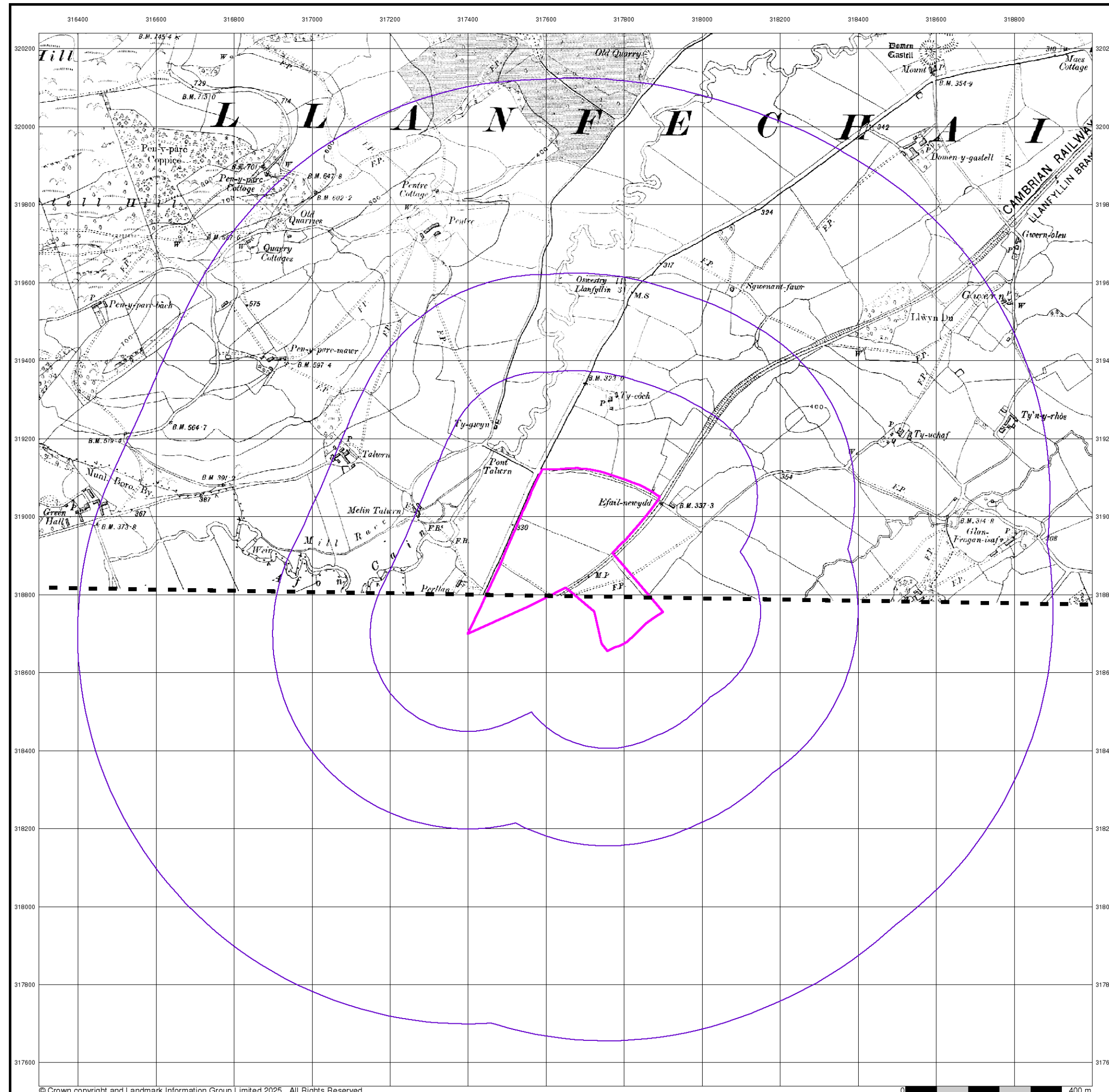
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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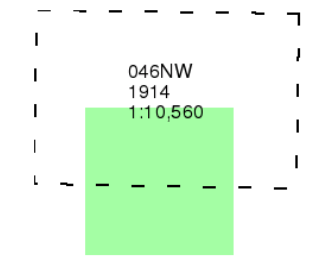
Denbighshire

Published 1914

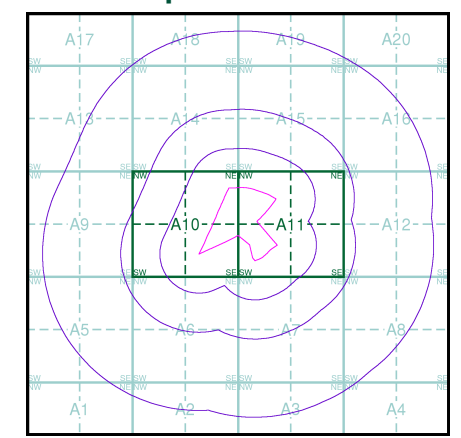
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

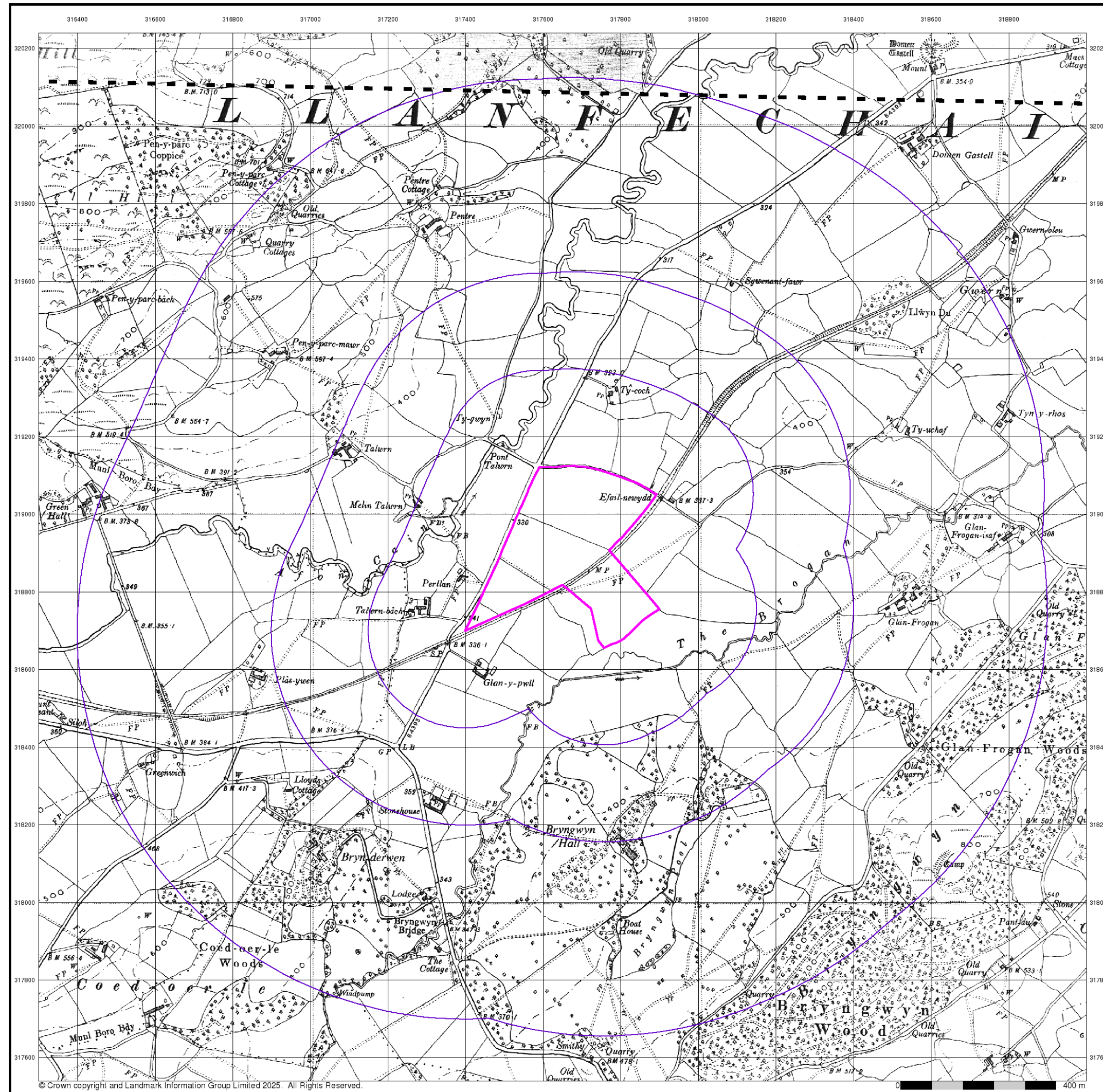
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 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
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Montgomeryshire

Published 1938 - 1953

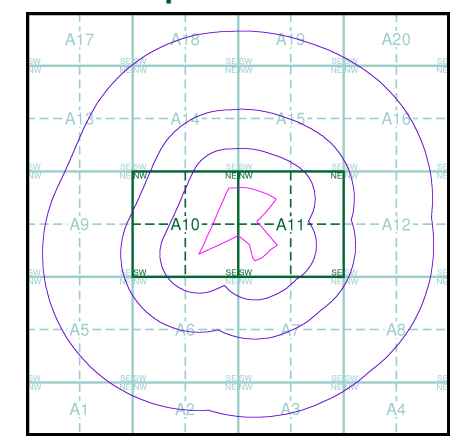
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

010NW	1938	1:10,560
010SW	1953	1:10,560

Historical Map - Slice A



Order Details

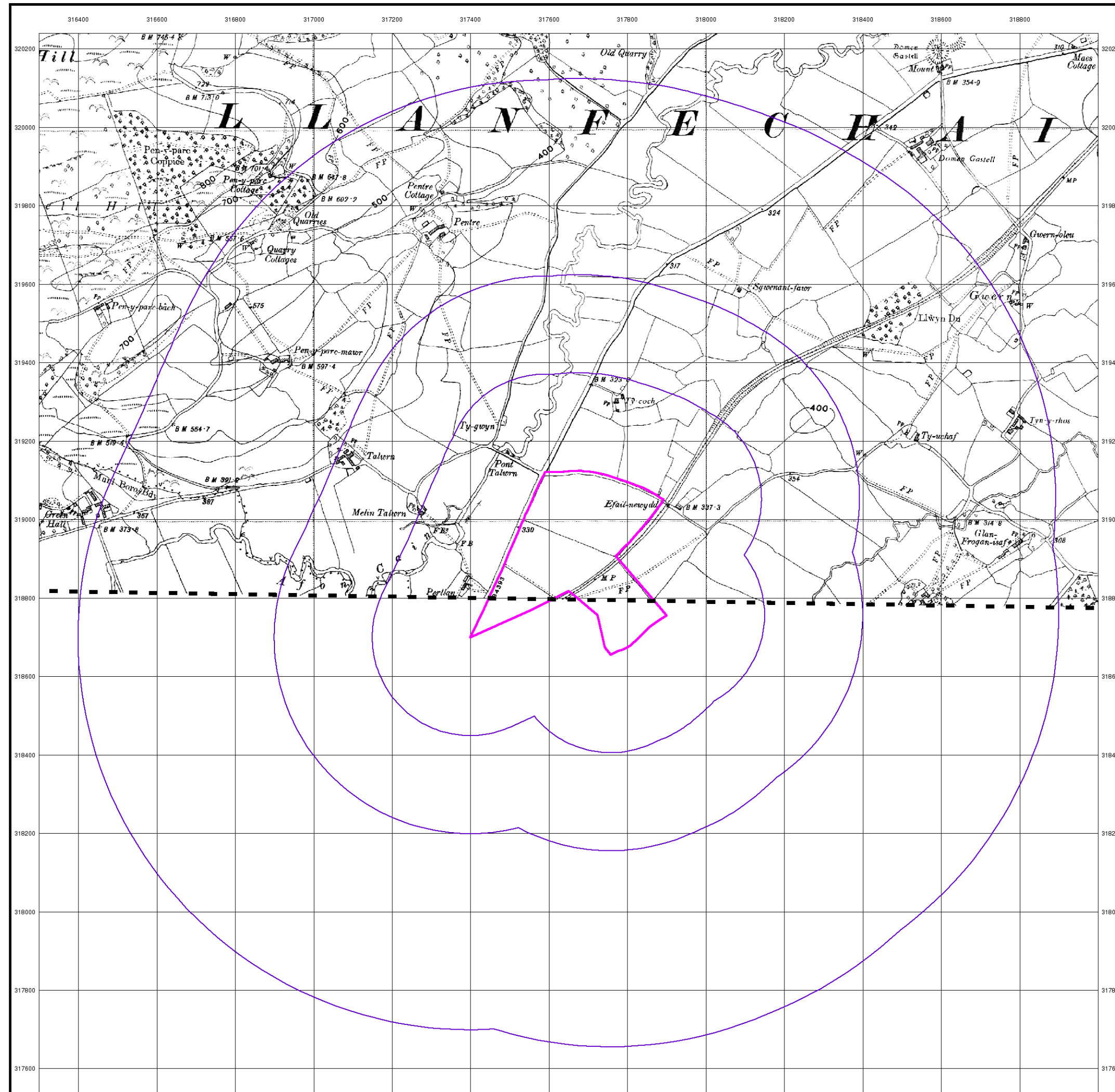
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National Grid Reference:	317670, 318870
Slice:	A
Site Area (Ha):	12.5
Search Buffer (m):	1000

Site Details

Site at 317650, 318980



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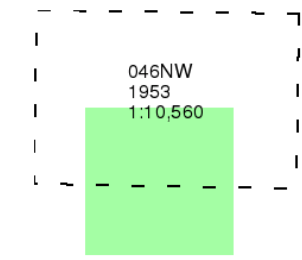
Denbighshire

Published 1953

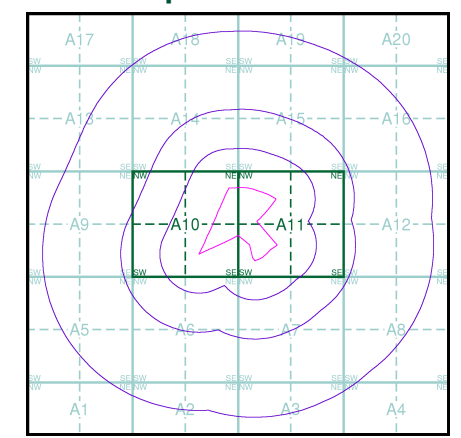
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

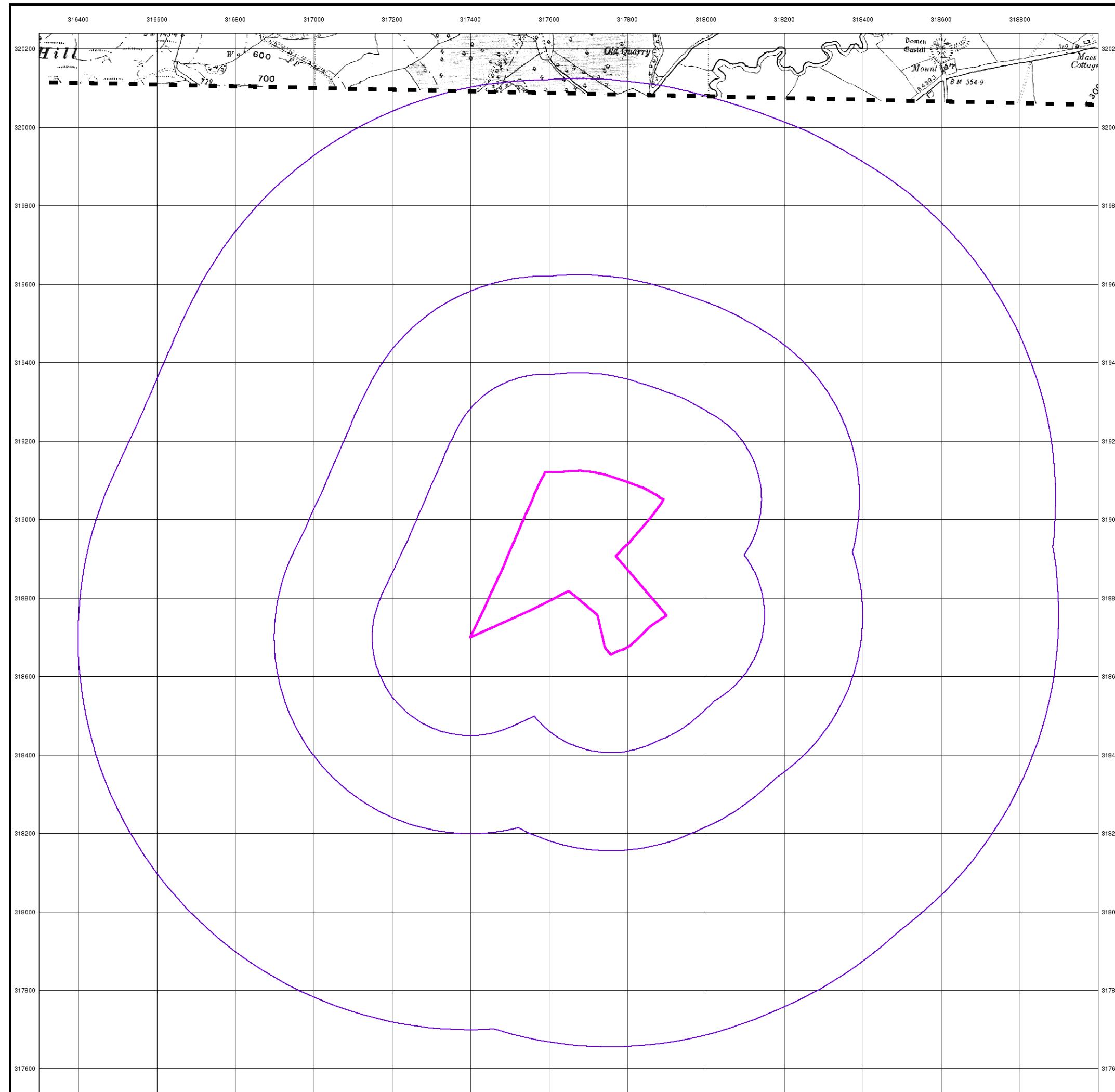
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 National Grid Reference: 317670, 318870
 Slice: A
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Site Details

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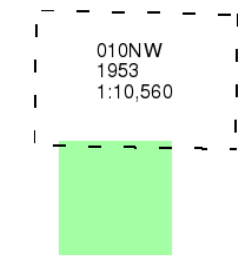
Montgomeryshire

Published 1953

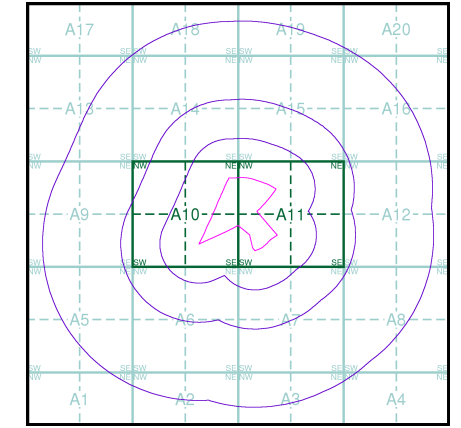
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

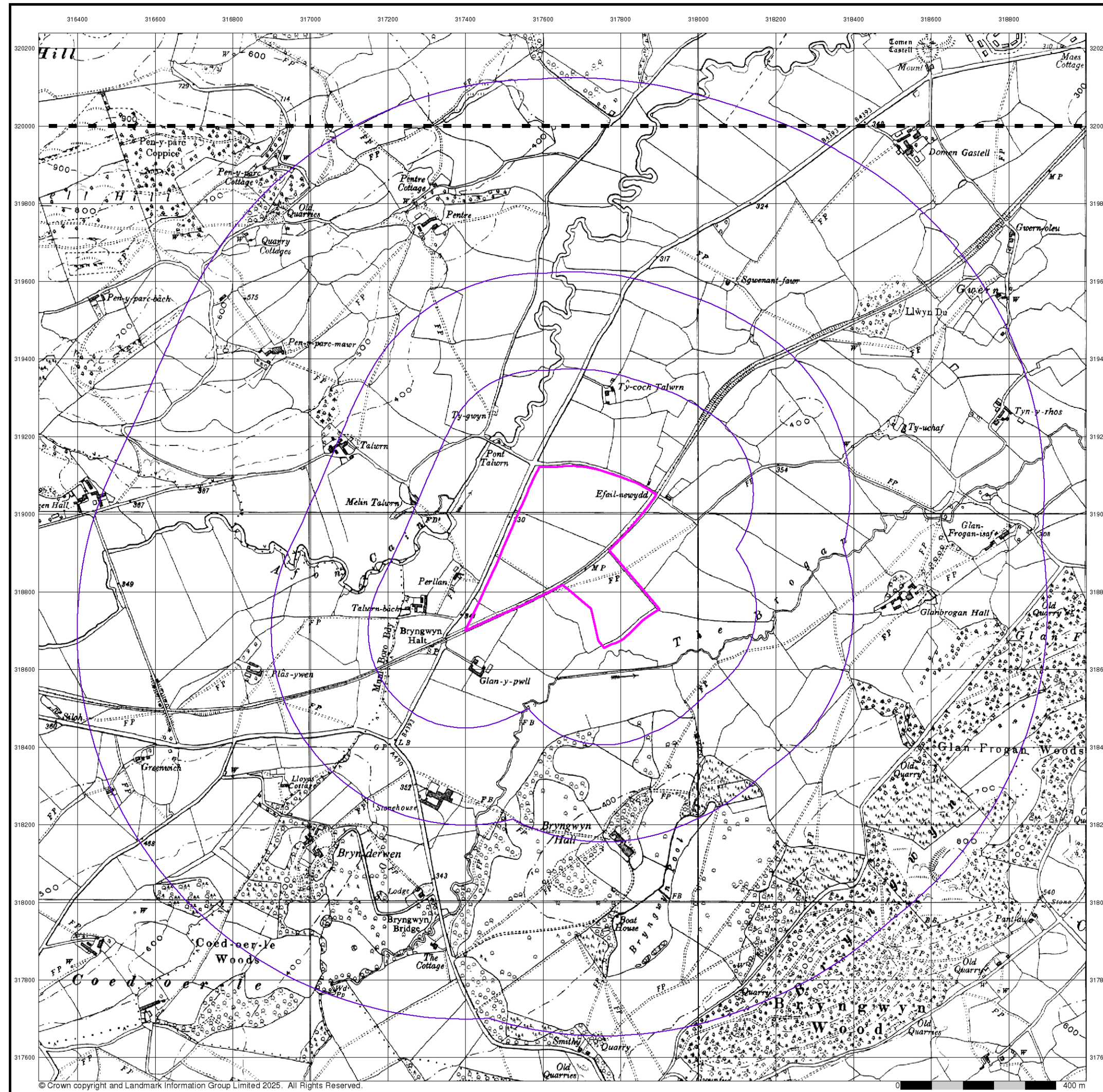
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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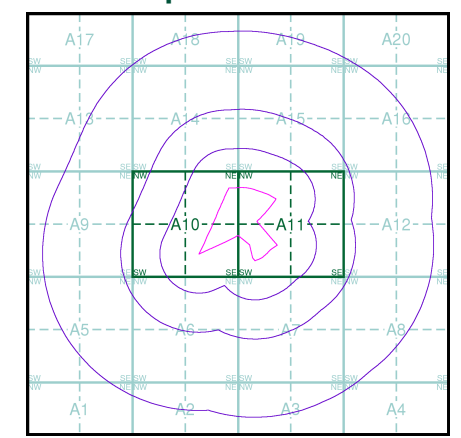
Ordnance Survey Plan
Published 1963 - 1964
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

---	SJ12SE	1964	1:10,560
---	SJ11NE	1963	1:10,560

Historical Map - Slice A



Order Details

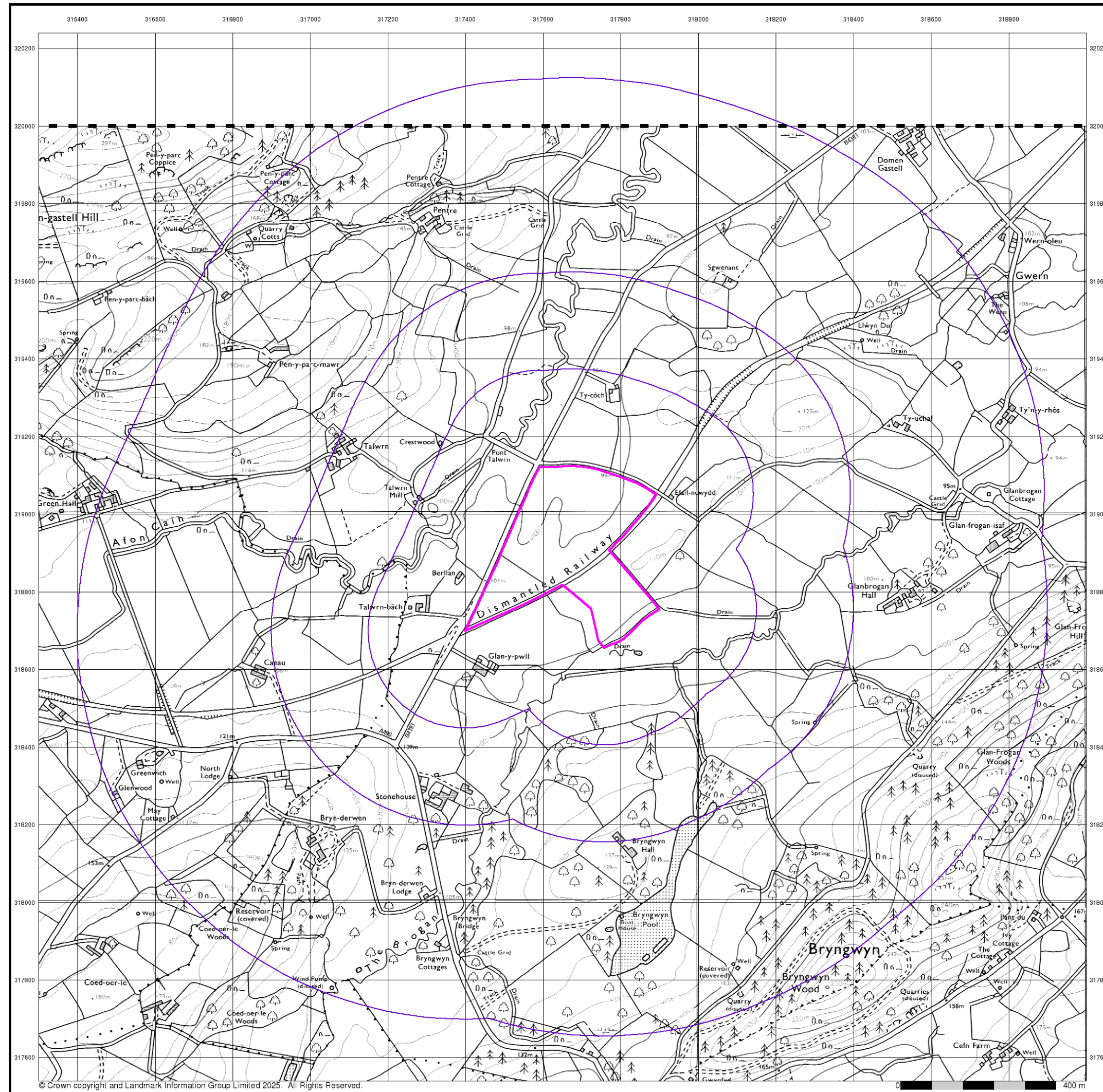
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Site Details

Site at 317650, 318980



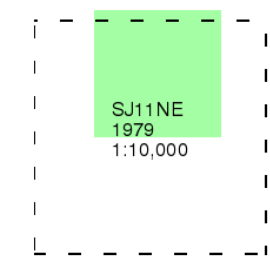
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



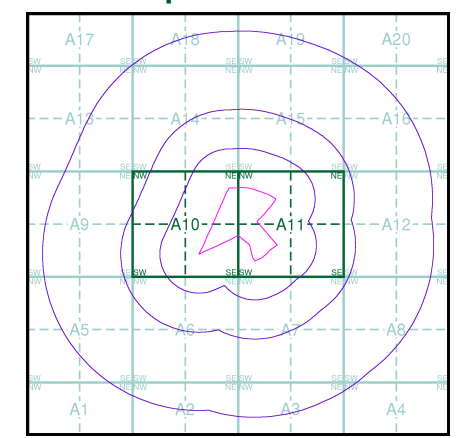
Ordnance Survey Plan
Published 1979
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

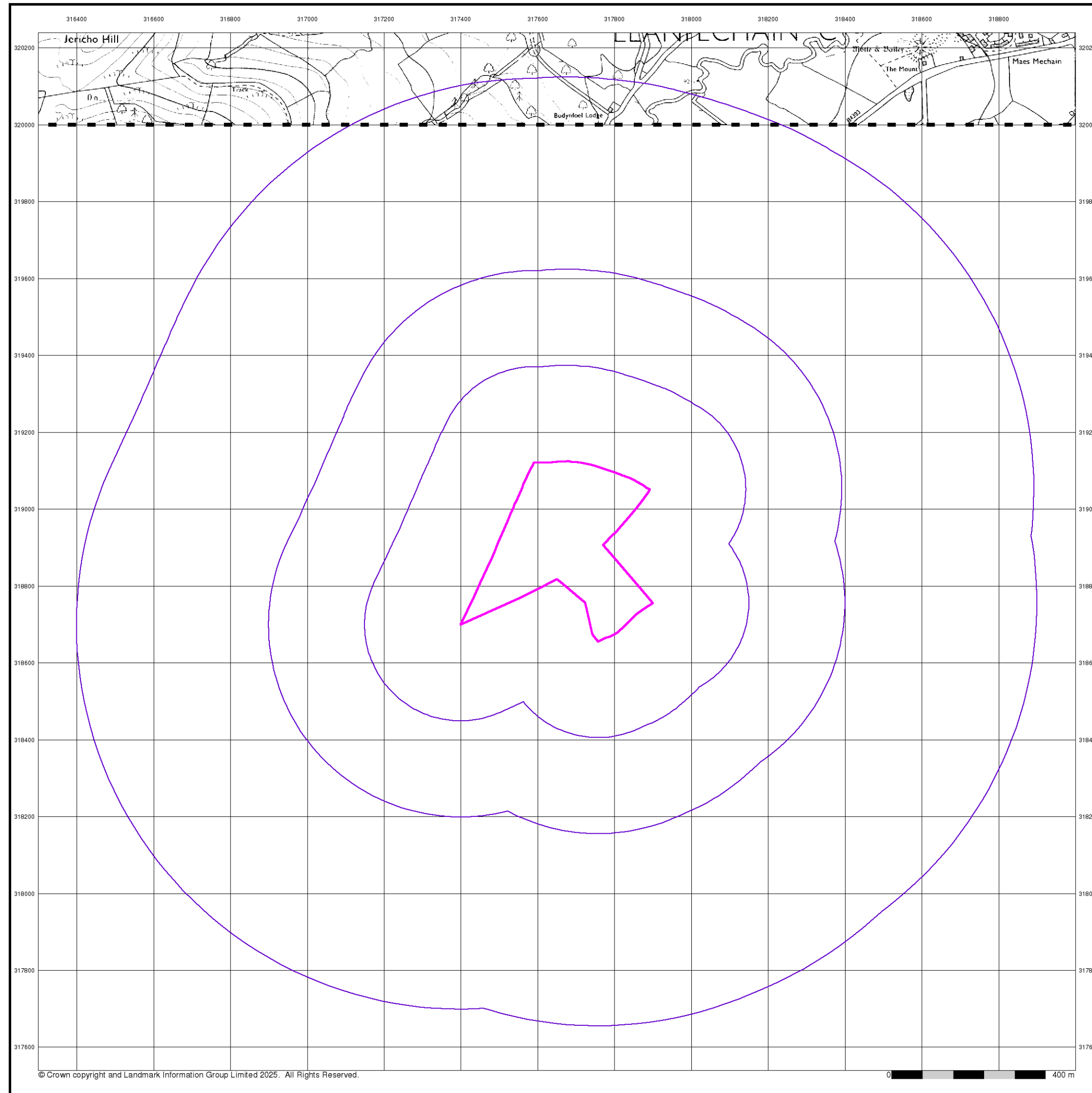
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 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



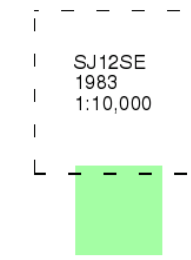
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



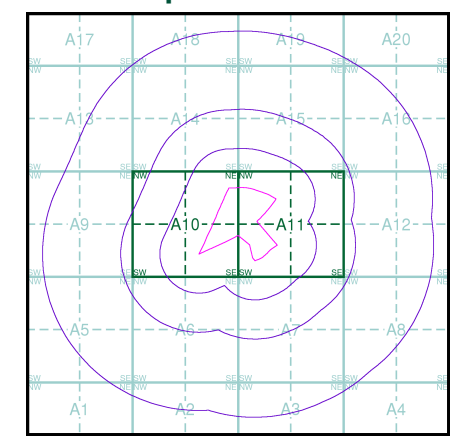
Ordnance Survey Plan
Published 1983
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

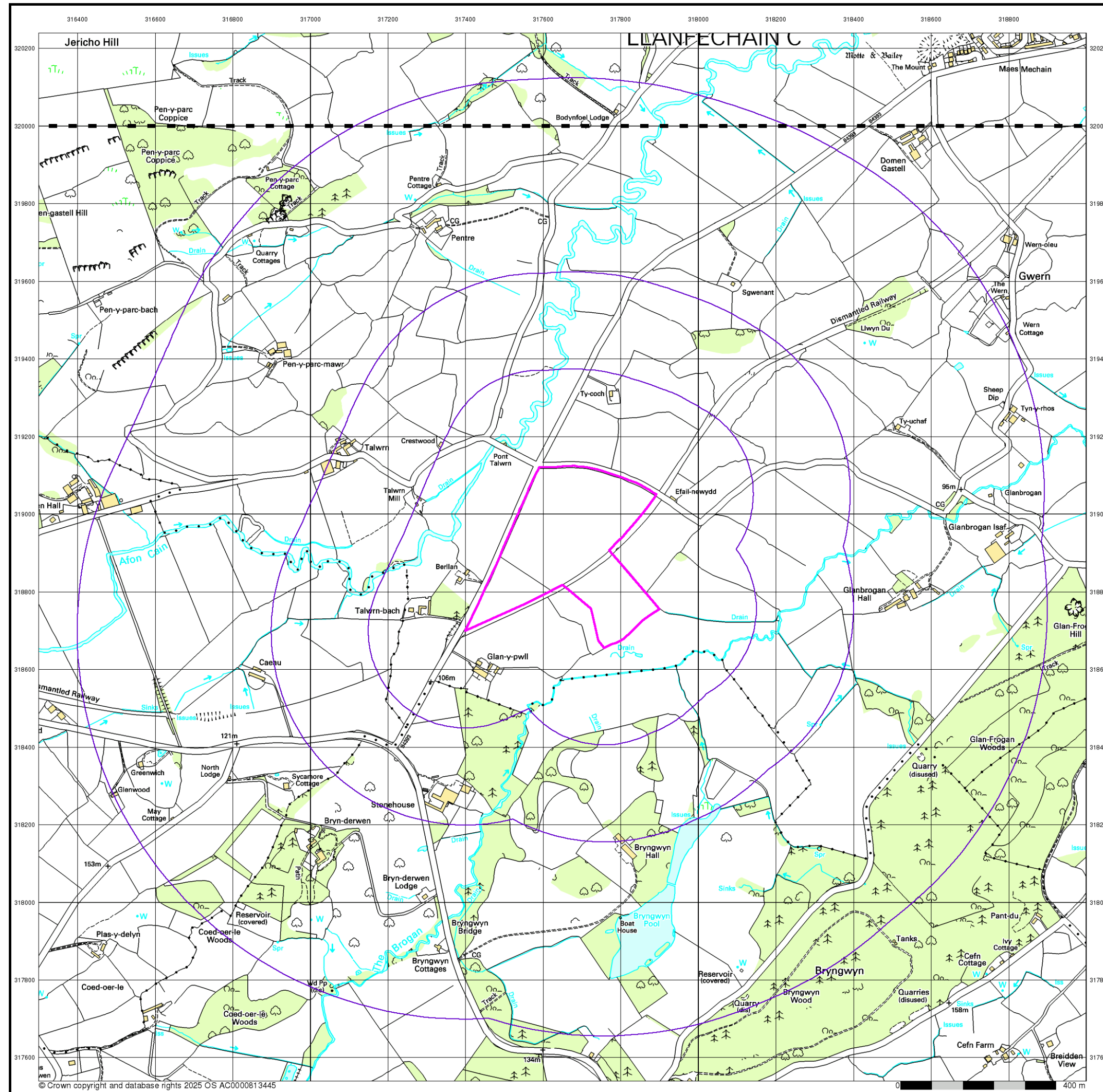
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
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 Search Buffer (m): 1000

Site Details

Site at 317650, 318980



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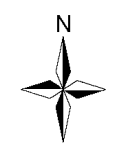
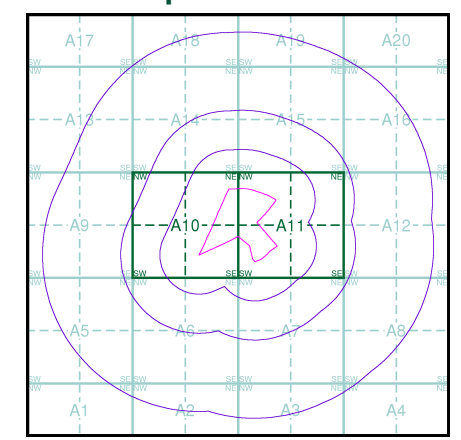
10k Raster Mapping
Published 2000
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SJ12SE	2000	1:10,000
SJ11NE	2000	1:10,000

Historical Map - Slice A



Order Details

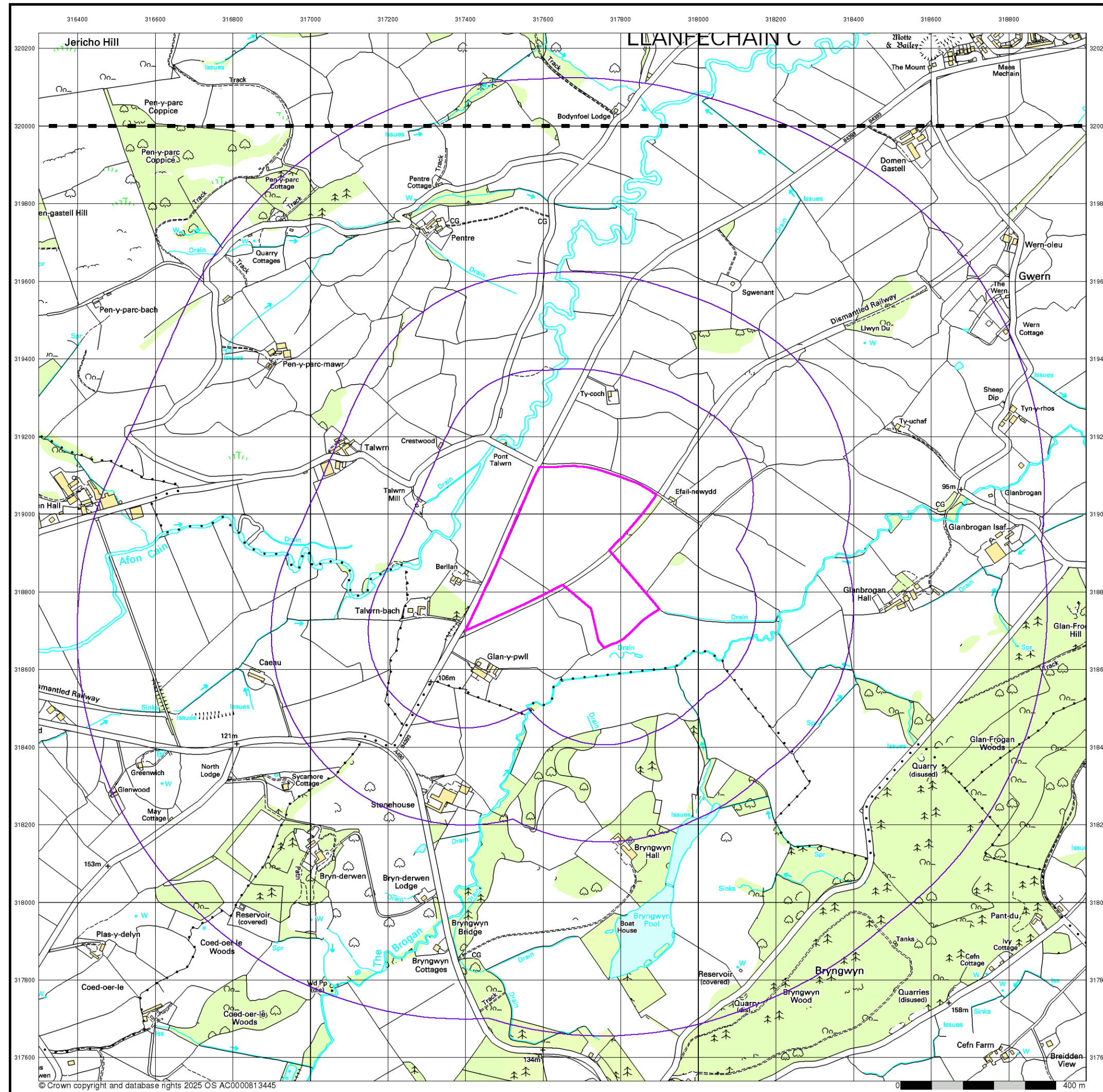
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

Site Details

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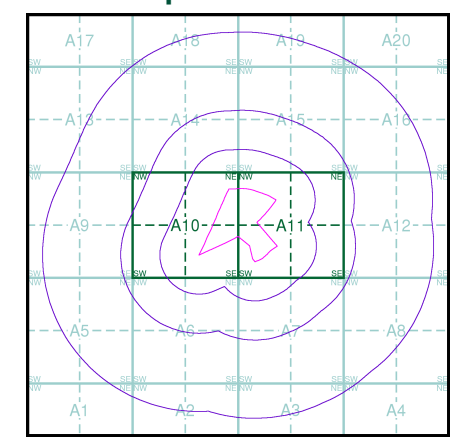
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SJ12SE	2006	1:10,000
SJ11NE	2006	1:10,000

Historical Map - Slice A



Order Details

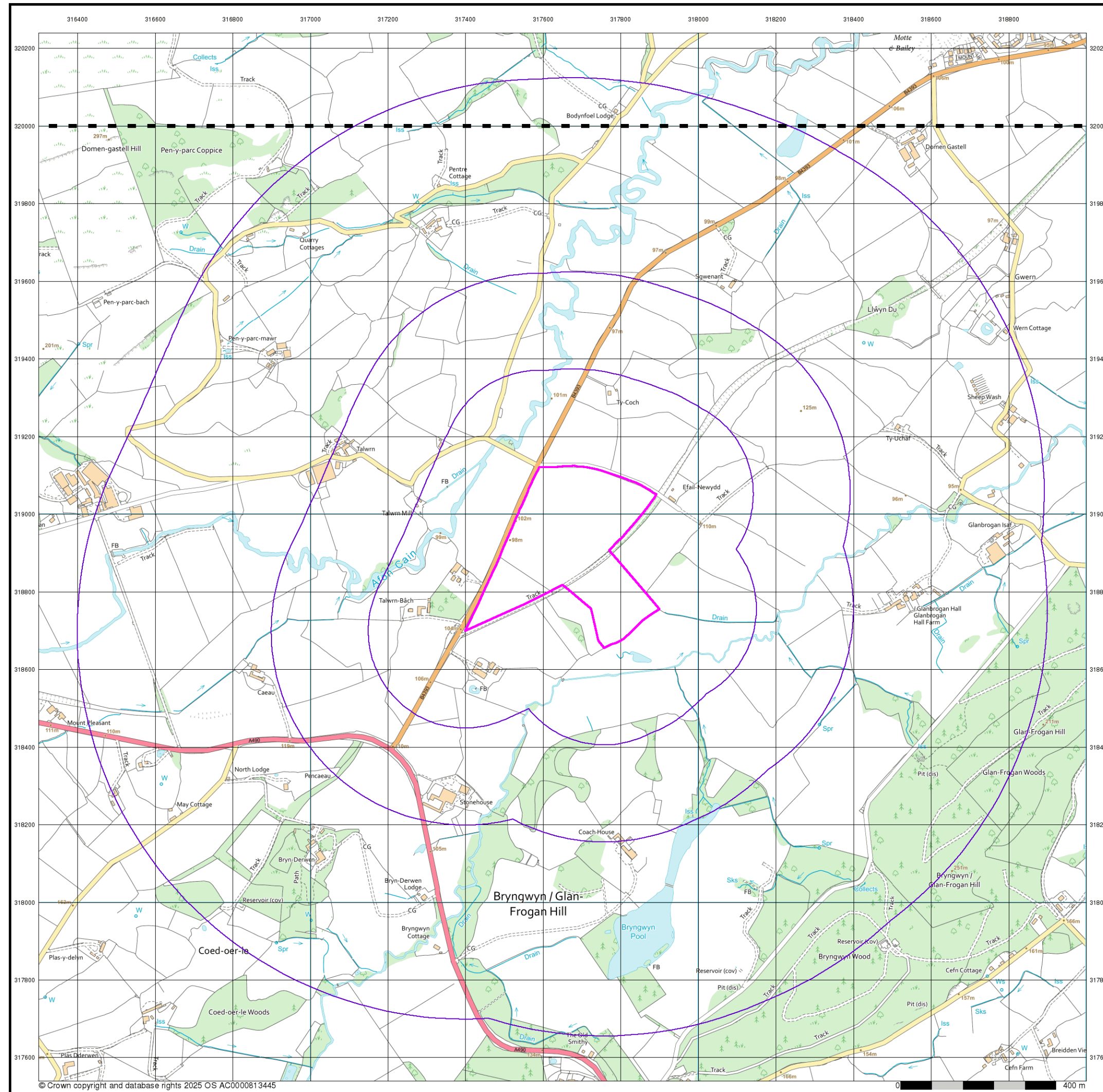
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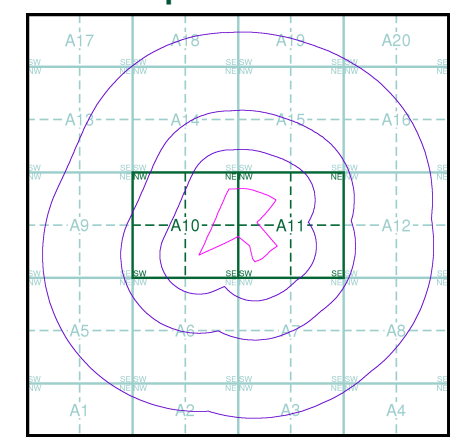
VectorMap Local
Published 2025
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

- - - - -
- | SJ12SE |
- | 2025 |
- | Variable |
- - - - -
- | SJ11NE |
- | 2025 |
- | Variable |
- - - - -

Historical Map - Slice A



Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
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Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
Co. Boro. Bdy.
County Burgh Boundary (Scotland)
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **SL** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250

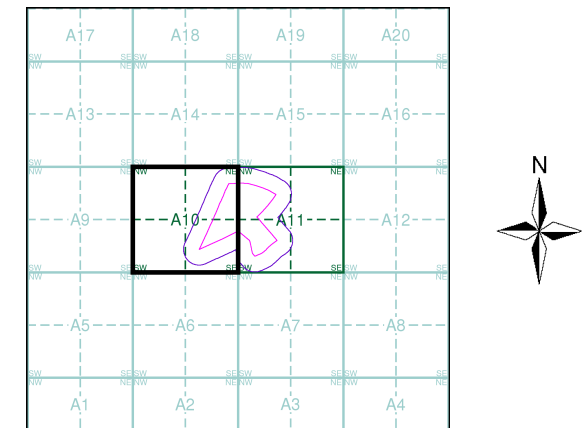
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Montgomeryshire	1:2,500	1886	2
Montgomeryshire	1:2,500	1901	3
Ordnance Survey Plan	1:2,500	1975	4
Large-Scale National Grid Data	1:2,500	1995	5
Historical Aerial Photography	1:2,500	2001	6

Historical Map - Segment A10



Order Details

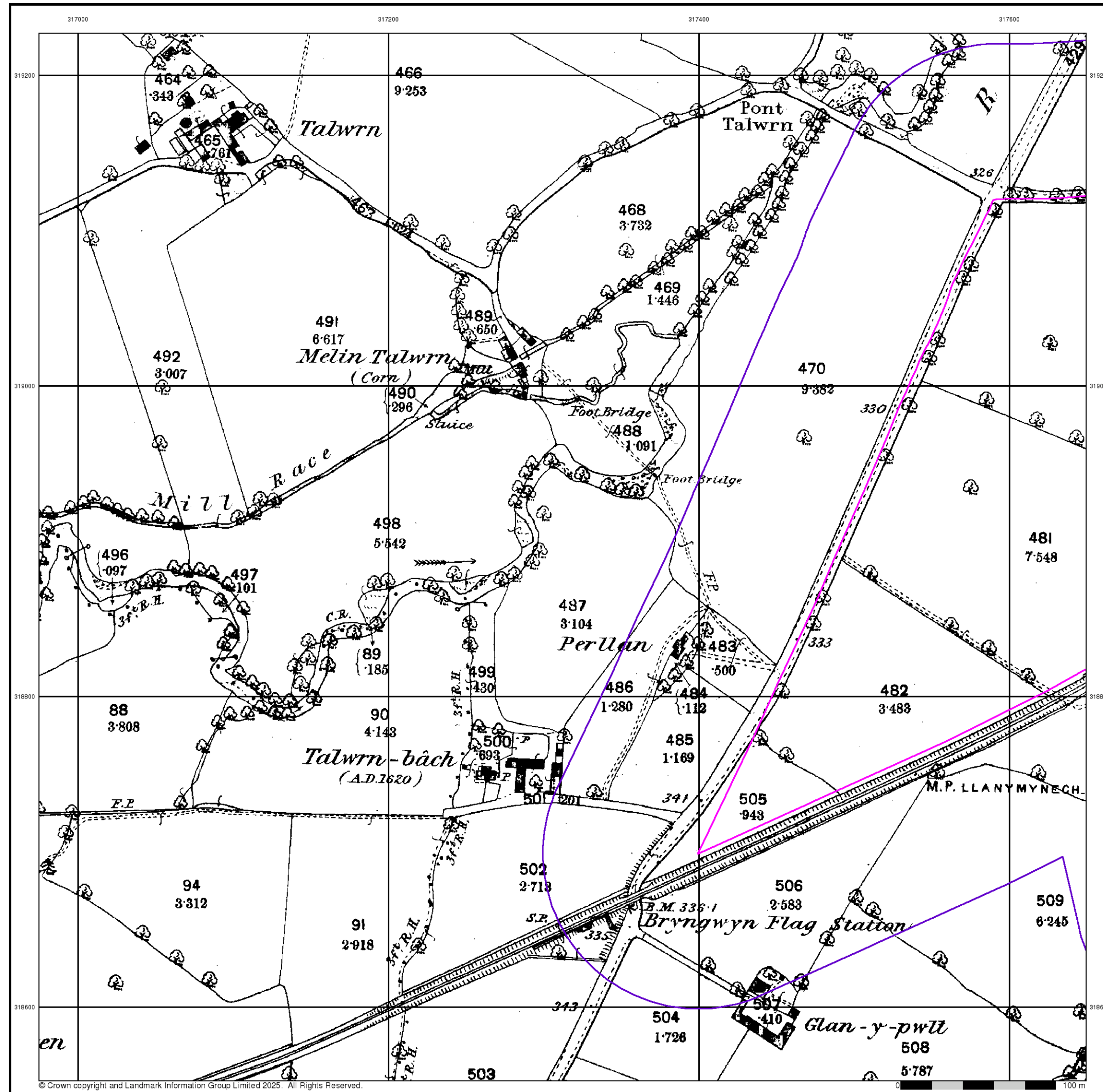
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details

Site at 317650, 318980



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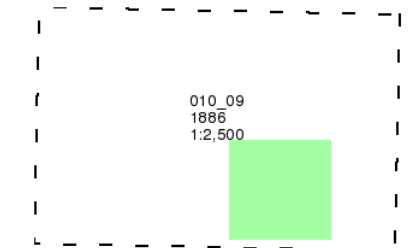
Montgomeryshire

Published 1886

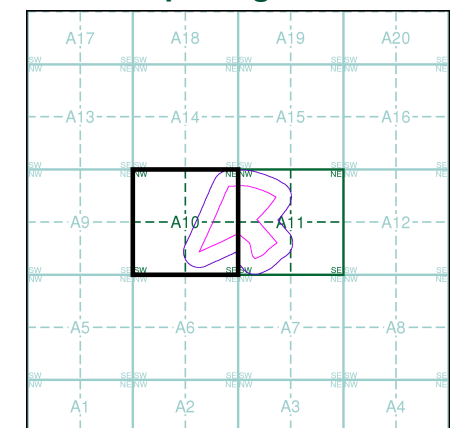
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

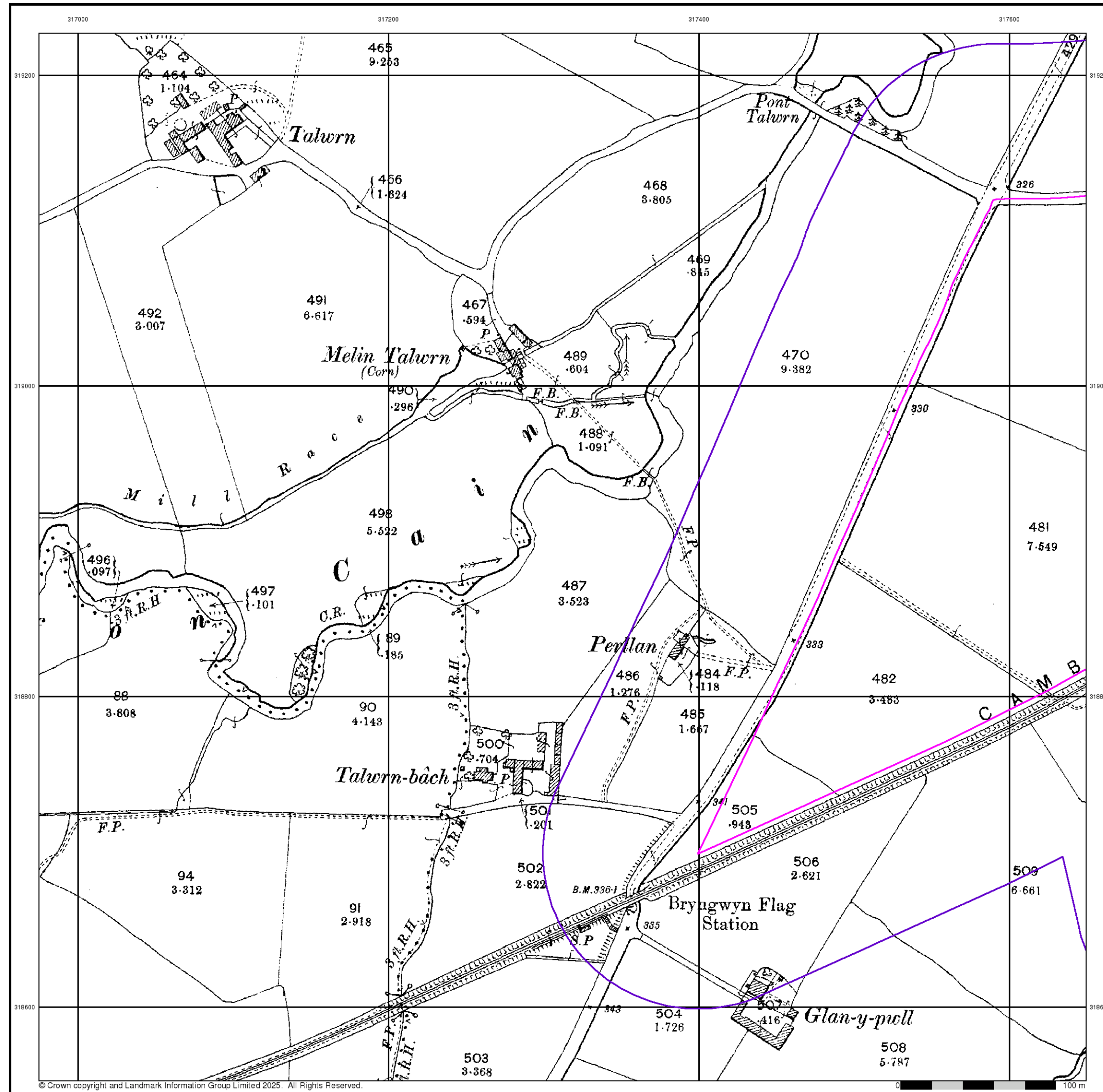
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details

Site at 317650, 318980



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



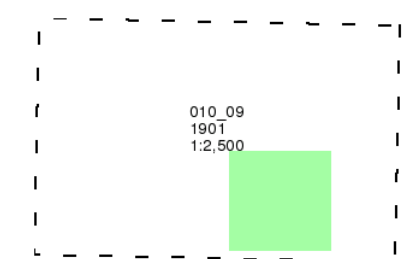
Montgomeryshire

Published 1901

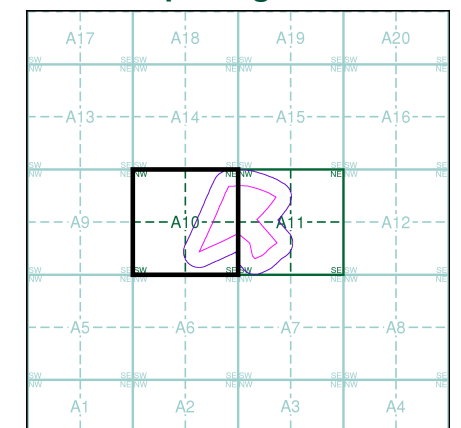
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

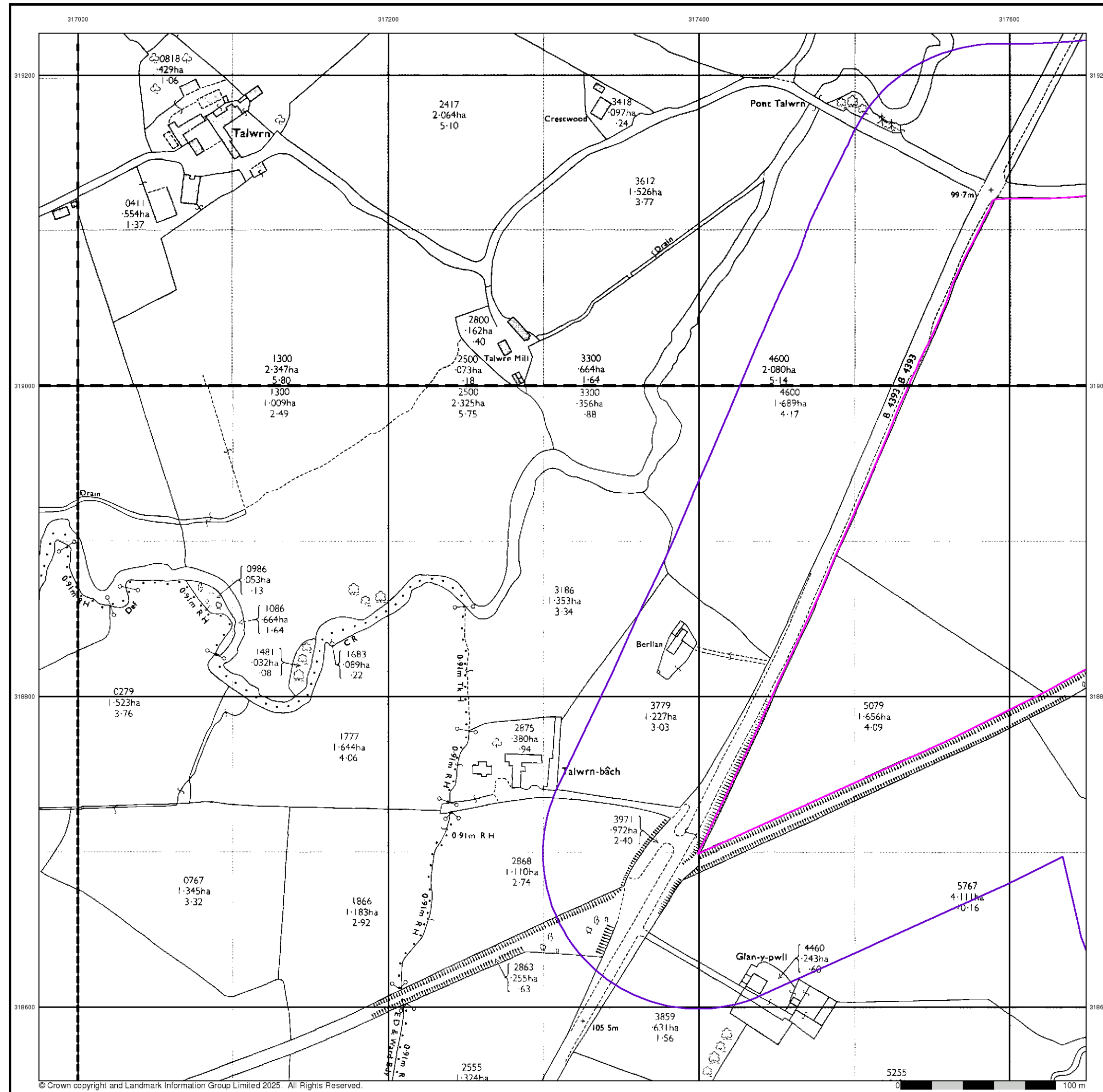
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details

Site at 317650, 318980



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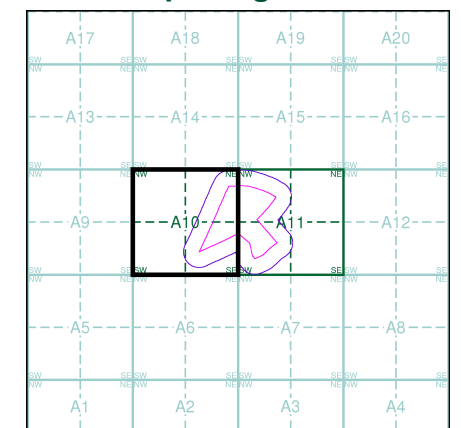
Ordnance Survey Plan
Published 1975
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SJ1619 1975 12,500	SJ1719 1975 12,500
SJ1618 1975 12,500	SJ1718 1975 12,500

Historical Map - Segment A10



Order Details

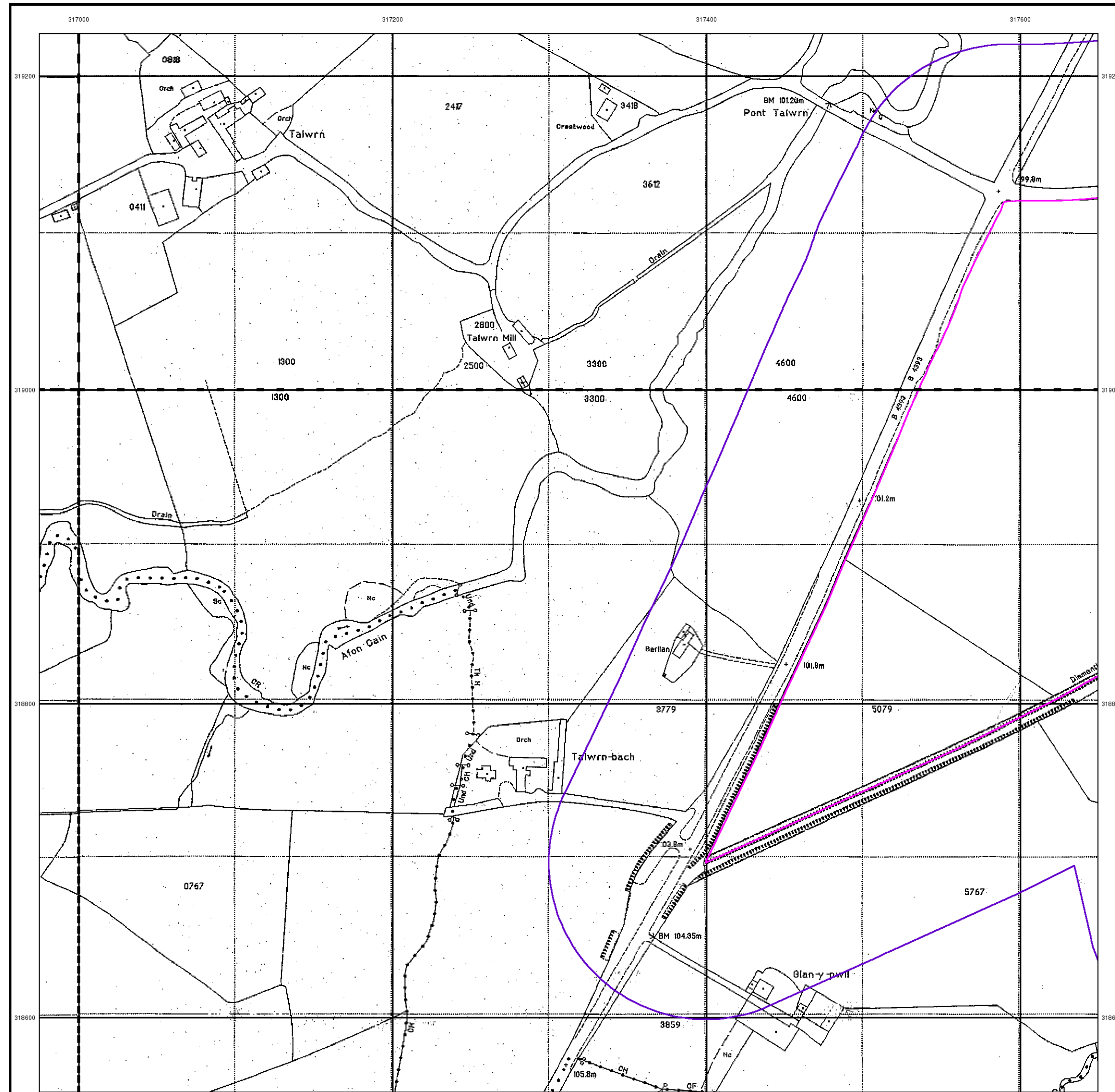
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details

Site at 317650, 318980



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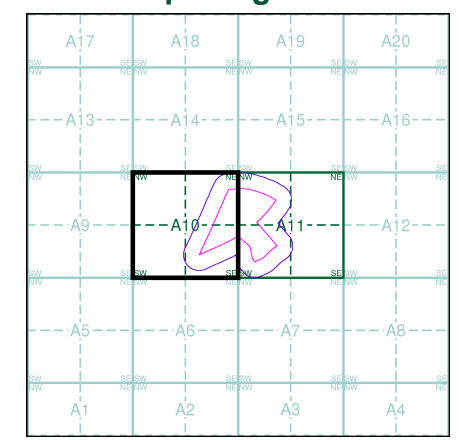
Large-Scale National Grid Data
Published 1995
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SJ1619 1995 1:2,500	SJ1719 1995 1:2,500
SJ1618 1995 1:2,500	SJ1718 1995 1:2,500

Historical Map - Segment A10



Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details

Site at 317650, 318980



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 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

317000

317200

317400

317600

319200

319200

319000

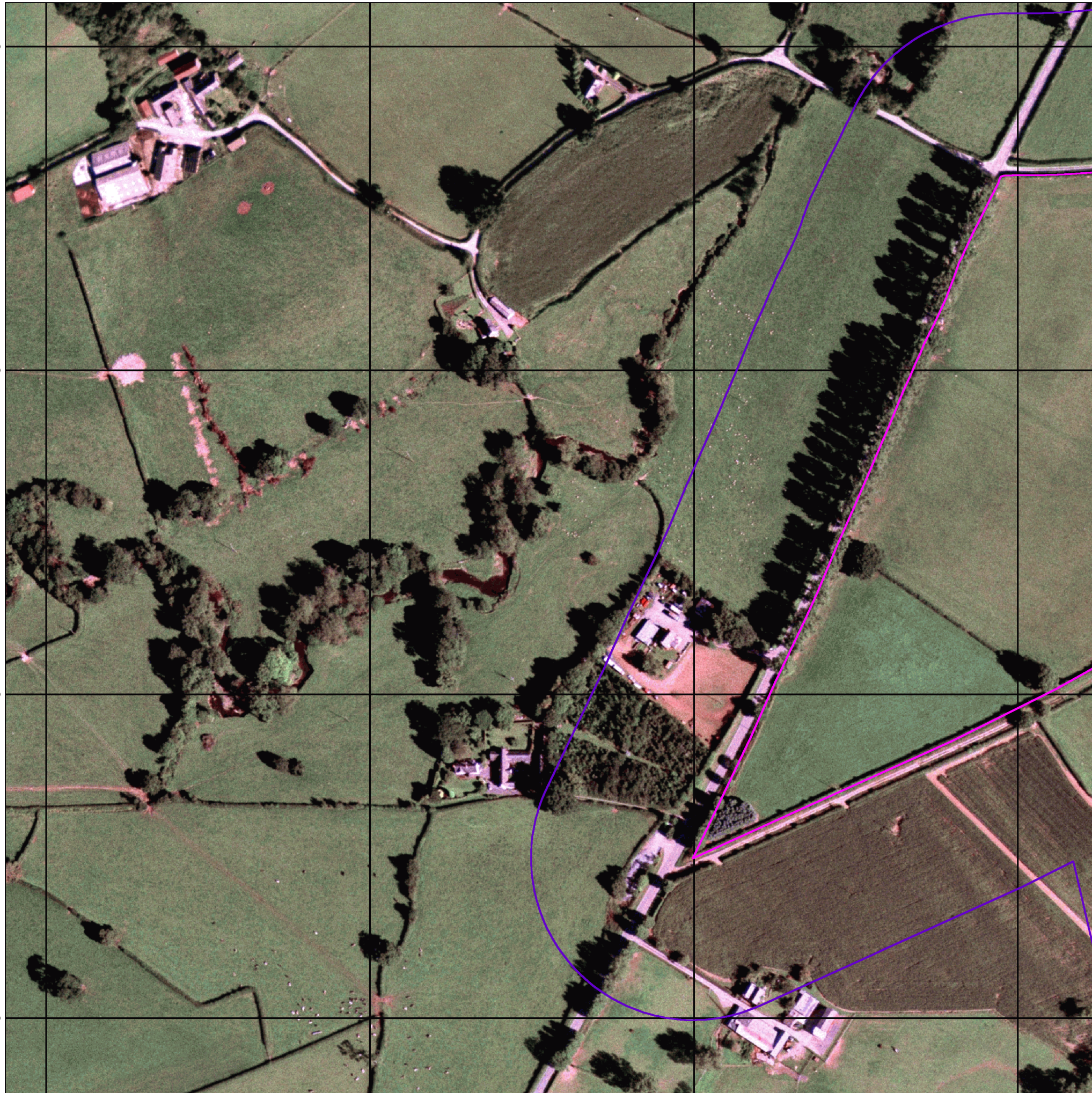
319000

318800

318800

318600

318600



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0 100 m

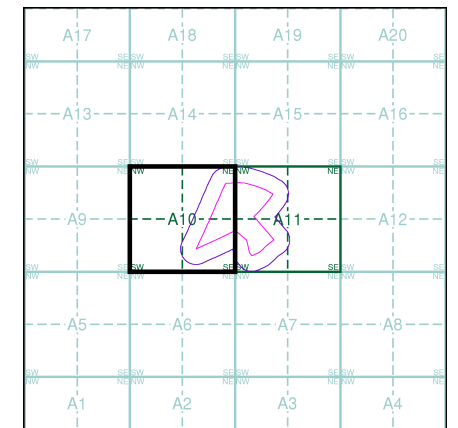


Historical Aerial Photography

Published 2001

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A10



Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details

Site at 317650, 318980



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Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
Co. Boro. Bdy.
County Burgh Boundary (Scotland)
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **SL** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250

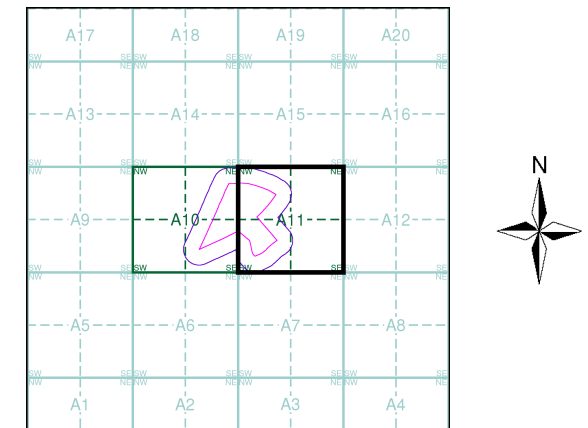
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Montgomeryshire	1:2,500	1886	2
Montgomeryshire	1:2,500	1901	3
Ordnance Survey Plan	1:2,500	1974 - 1975	4
Large-Scale National Grid Data	1:2,500	1995	5
Historical Aerial Photography	1:2,500	2001	6

Historical Map - Segment A11



Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details

Site at 317650, 318980



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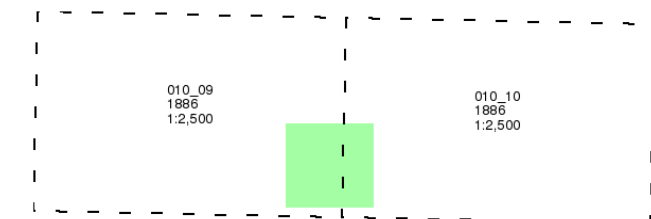
Montgomeryshire

Published 1886

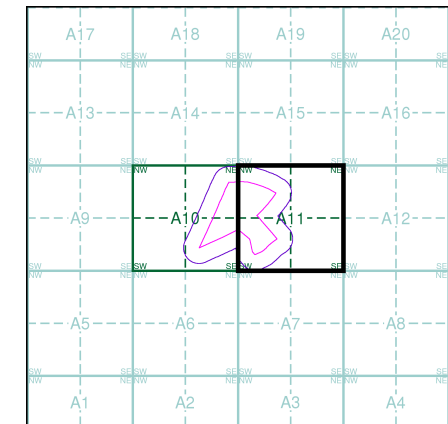
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A11



Order Details

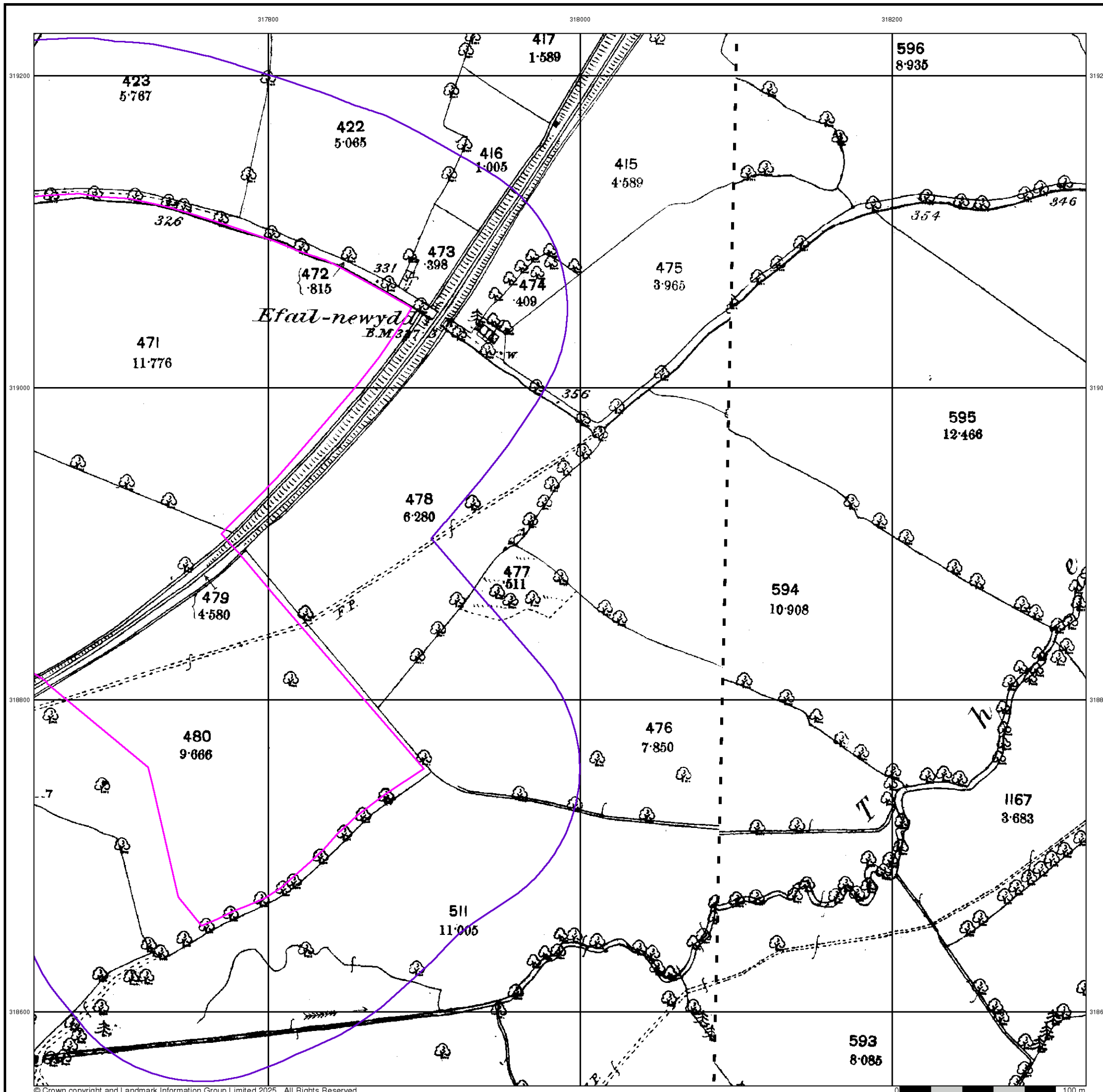
Order Number: 388404915_1_1
Customer Ref: 4853
National Grid Reference: 317670, 318870
Slice: A
Site Area (Ha): 12.5
Search Buffer (m): 100

Site Details

Site at 317650, 318980

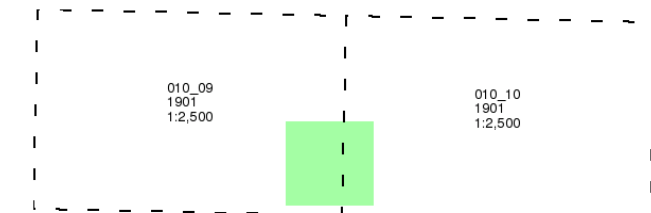


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

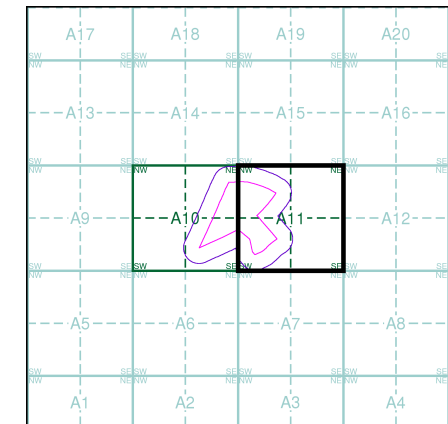


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A11

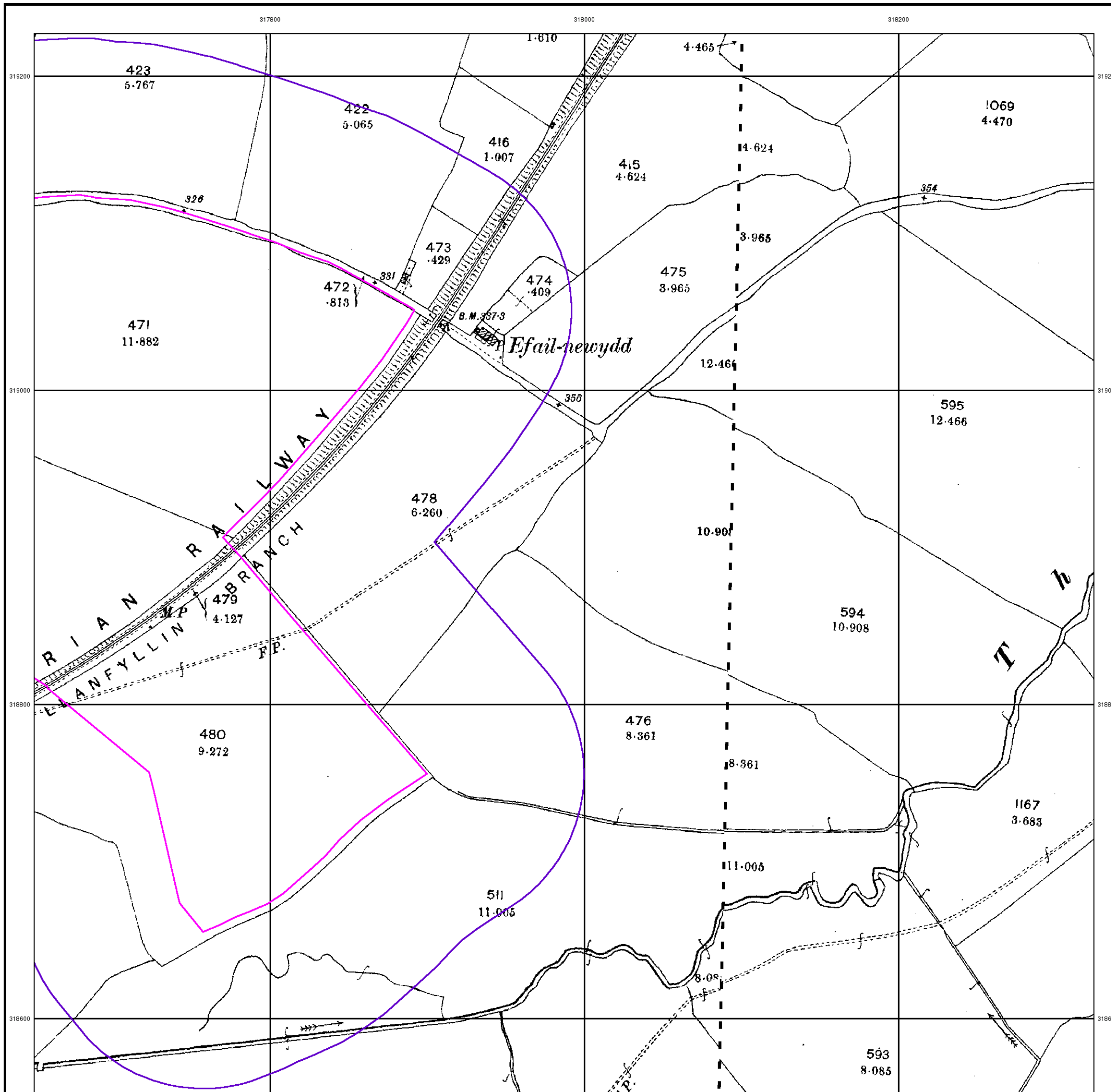


Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details

Site at 317650, 318980





Ordnance Survey Plan

Published 1974 - 1975

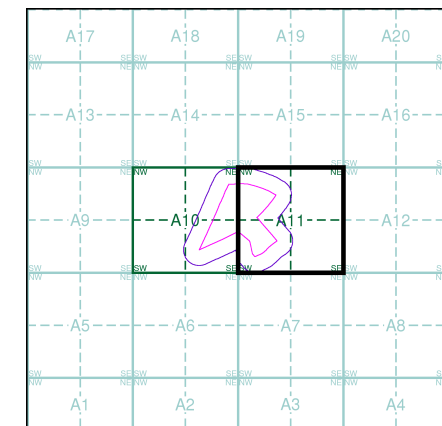
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

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SJ1718 1975 12,500	SJ1818 1975 12,500

Historical Map - Segment A11



Order Details

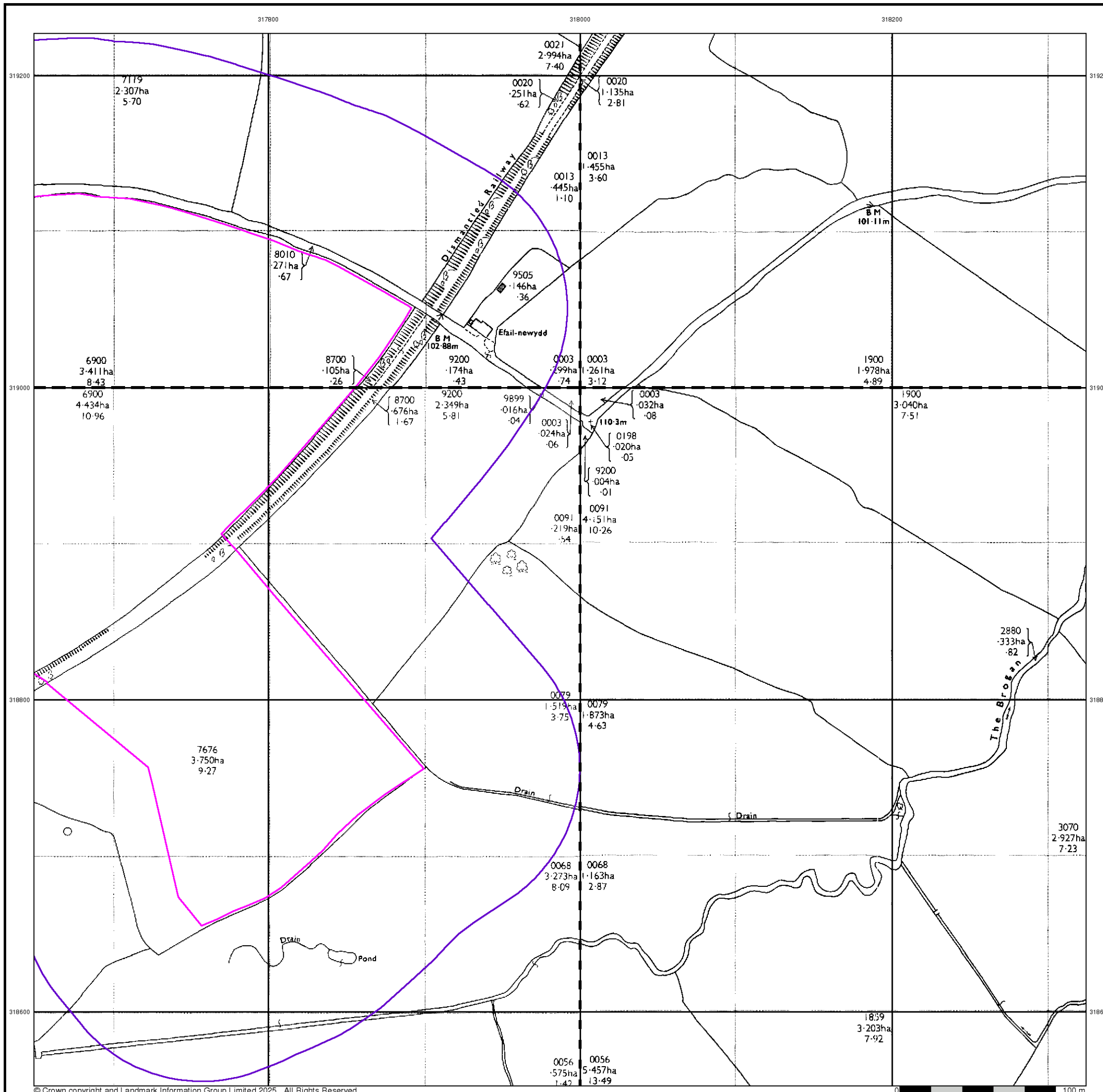
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details

Site at 317650, 318980



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Large-Scale National Grid Data

Published 1995

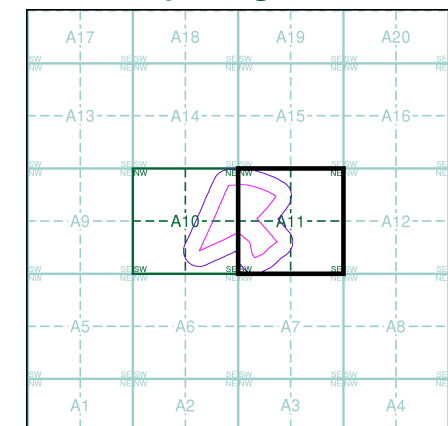
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SJ1719 1995 1:2,500	SJ1819 1995 1:2,500
SJ1718 1995 1:2,500	SJ1818 1995 1:2,500

Historical Map - Segment A11



Order Details

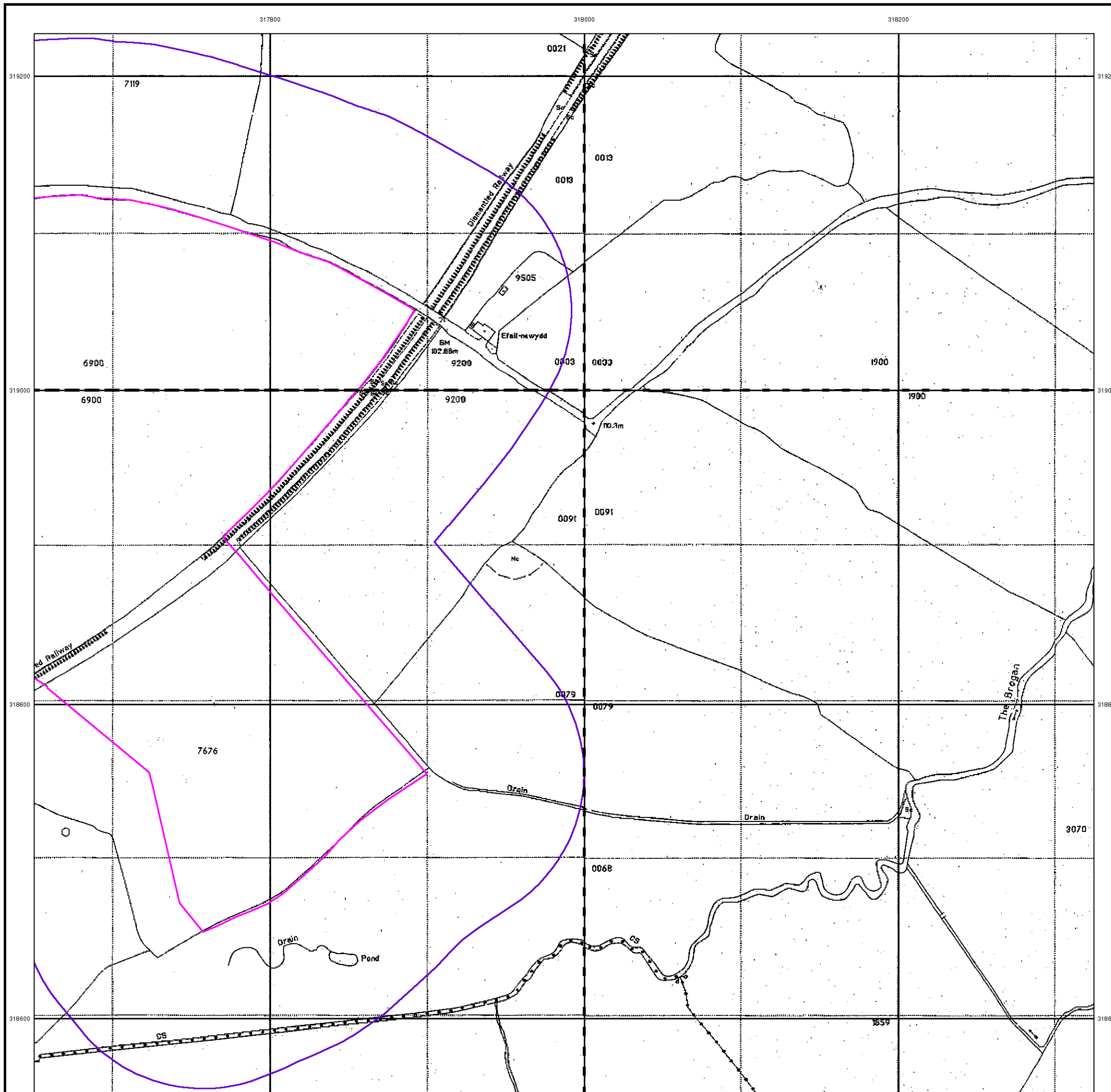
Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details

Site at 317650, 318980



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317800

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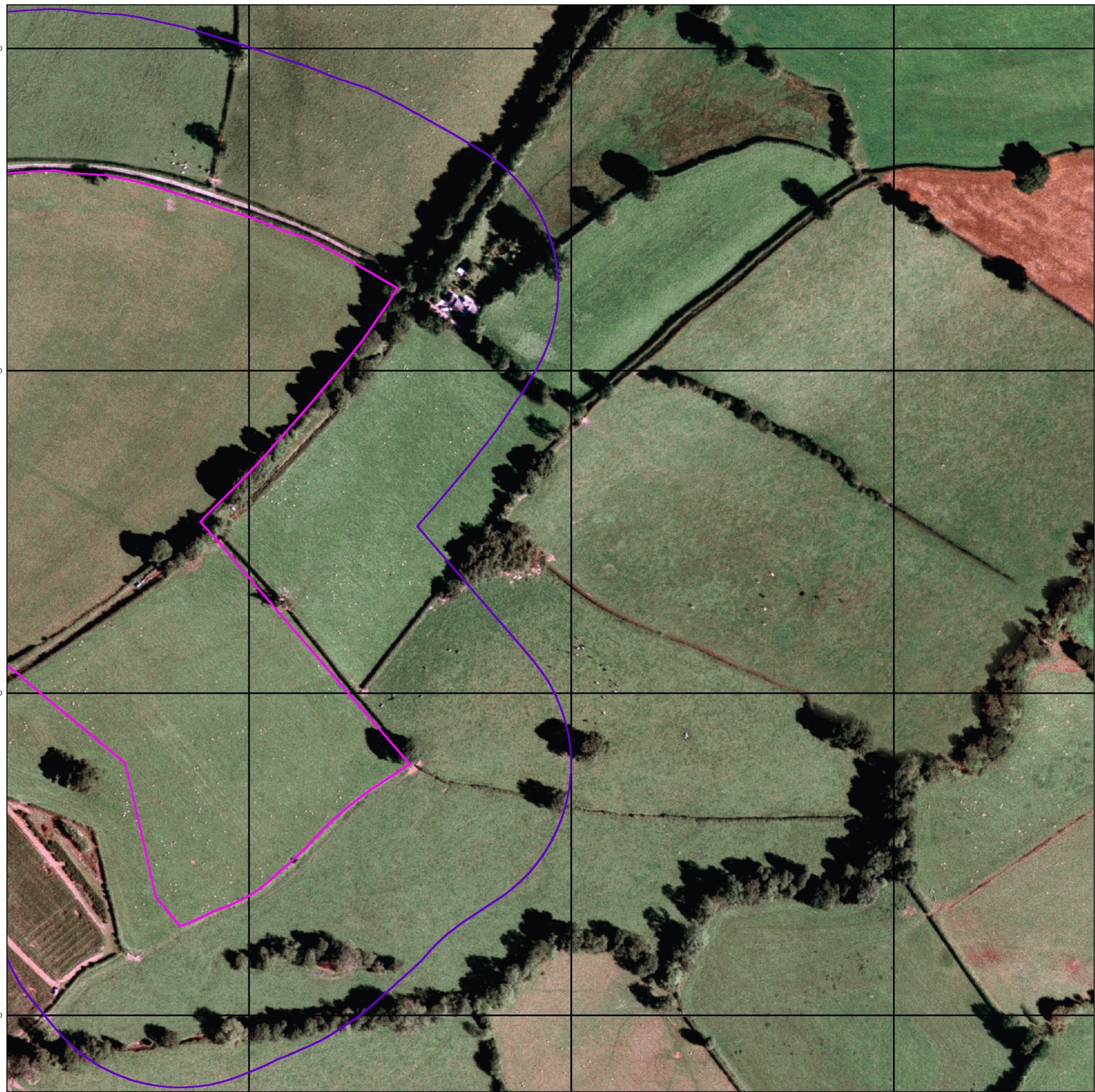
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318600



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0 100 m

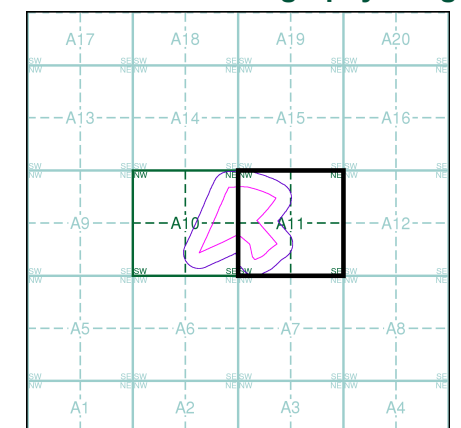


Historical Aerial Photography

Published 2001

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A11



Order Details

Order Number: 388404915_1_1
 Customer Ref: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 100

Site Details









Site at 317650, 318980













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Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	ALV	Alluvium	Gravel, Sand, Silt and Clay	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GLLDD	Glaciolacustrine Deposits, Devensian	Clay and Silt	Not Supplied - Devensian
	HMGDD	Hummocky (Moundy) Glacial Deposits, Devensian	Diamicton and Gravel	Not Supplied - Devensian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LYMD	Laundry Mudstone Formation	Mudstone and Siltstone	Not Supplied - Hirnantian
	LYMD	Laundry Mudstone Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Hirnantian
	DO	Dolhir Formation	Mudstone and Limestone, Interbedded	Not Supplied - Ashgill
	DO	Dolhir Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Ashgill
	PGD	Pen Y Garnedd Limestone Formation	Limestone	Not Supplied - Streffordian
	NOG	Nod Glas Formation	Mudstone	Not Supplied - Burrellian
	ATF	Allt-Tair-Ffynnon Formation	Siltstone and Mudstone, Interbedded	Not Supplied - Burrellian
	GAFA	Gaerfawr Formation	Sandstone and Siltstone, Interbedded	Not Supplied - Caradoc
	PWGP	Pwl-Y-Glo Group	Mudstone, Siltstone and Sandstone	Not Supplied - Caradoc
		Faults		



Geology 1:50,000 Maps

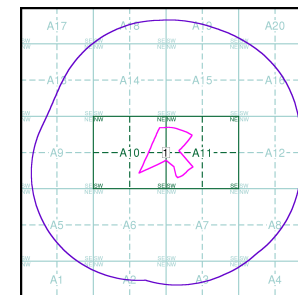
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	137
Map Name:	Oswestry
Map Date:	2000
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Not Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

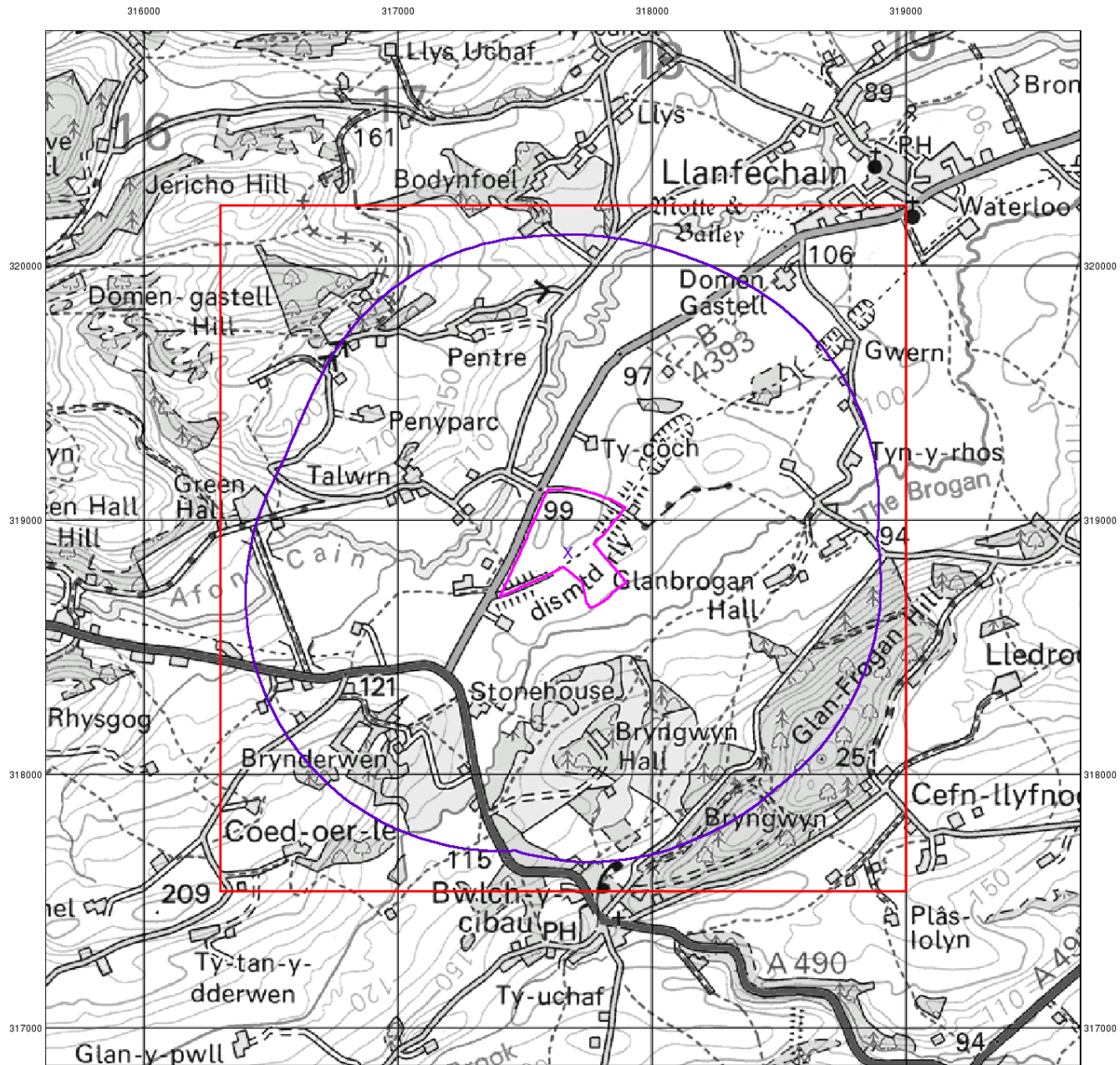


Order Details:

Order Number:	388404915_1_1
Customer Reference:	4853
National Grid Reference:	317670, 318870
Site:	A
Site Area (Ha):	12.5
Search Buffer (m):	1000

Site Details:

Site at 317650, 318980



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Artificial Ground and Landslip

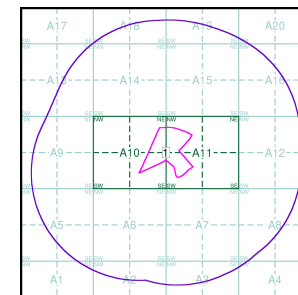
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



Order Details:

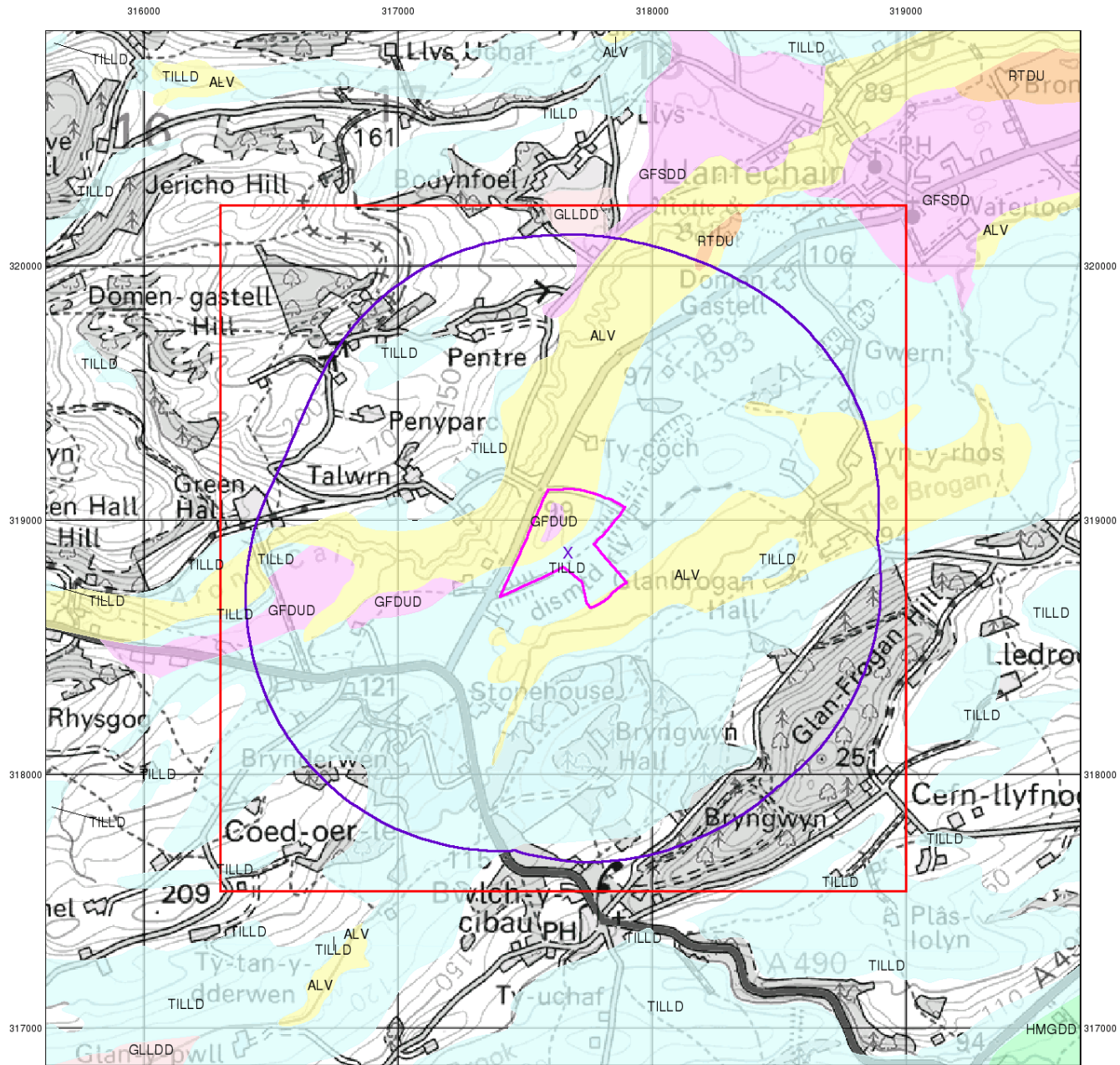
Order Number: 388404915_1_1
 Customer Reference: 4853
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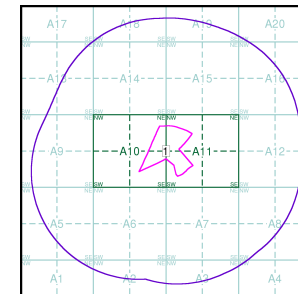
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order Details:

Order Number: 388404915_1_1
 Customer Reference: 4853
 National Grid Reference: 317670, 318870
 Slice: A
 Site Area (Ha): 12.5
 Search Buffer (m): 1000

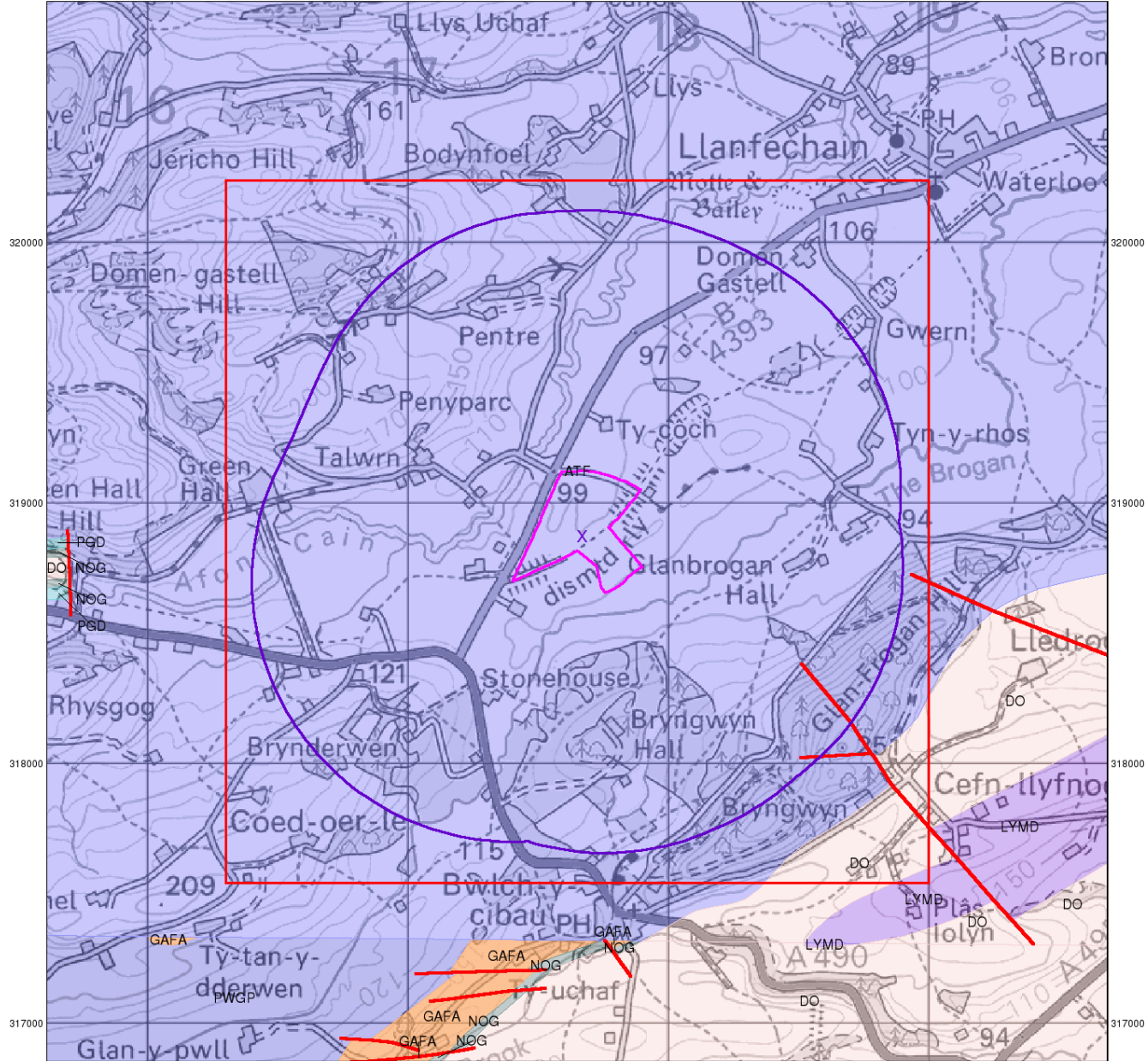
Site Details:

Site at 317650, 318980



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316000 317000 318000 319000



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Bedrock and Faults

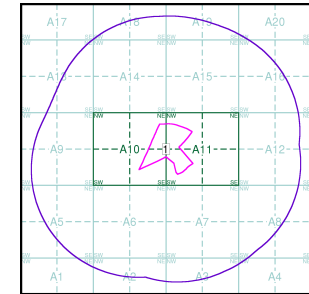
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



Order Details:

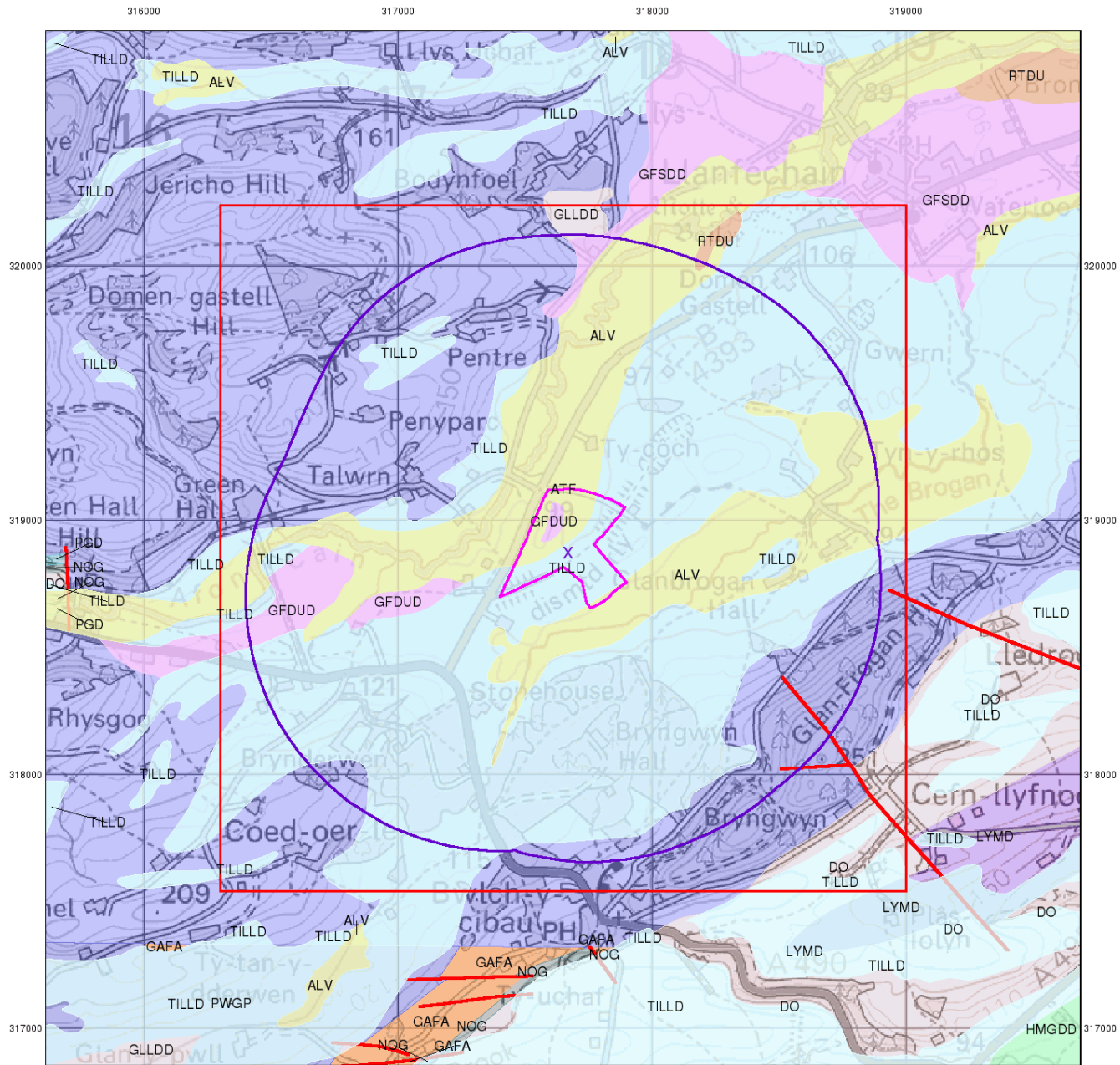
Order Number: 388404915_1_1
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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

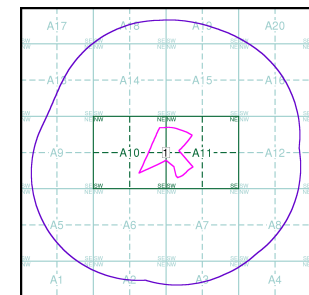
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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 website: www.bgs.ac.uk

Combined Geology Map - Slice A



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